ADALTRA

we make the connection

Catalogue

2026 | September

v. 4



EkSELANS /ADALTRA

OPENETICS /ADALTRA

WHO ARE WE?



MASSY OFFICE
Paris, France



HEAD OFFICE SANT CUGAT DEL VALLÈS
Barcelona



HEAD OFFICE MADRID
Madrid



LOGISTICS CENTRE AND PRODUCTION
Sabadell, Barcelona



R&D OFFICES
-Madrid
-Zaragoza
-San Sebastián
-Las Palmas G.C.

EKSELANS (EK) and OPENETICS are two renowned Spanish brands in the sector, with decades of experience and solid expertise in developing telecommunications solutions. They are now part of **ADALTRA IBERIA**, the Spanish subsidiary of the French company **ADALTRA**, which integrates R&D&I, software engineering, electronic design and the manufacture of professional solutions.

EK specialises in advanced solutions for television signal reception, processing and distribution, connectivity and active networks, among other telecommunications technologies. Meanwhile, **OPENETICS** focuses on the design and manufacture of structured cabling, optical fibre, rack cabinets and PDUs, always meeting the most stringent quality standards.

In 2024, both Spanish brands joined the French group **CAE GROUPE**, which began a new chapter in 2025 under the name **ADALTRA**. This change is more than just a new name: it represents renewed ambition, a commitment to rethinking active and passive connectivity solutions, and opening new paths towards a more efficient, responsible and interconnected world.

ADALTRA is now a leading European provider of integrated cabling and connectivity solutions, operating across numerous vertical markets, including smart buildings, critical infrastructure, industry, marine and offshore, nuclear, defence, healthcare, energy and hospitality.

Our **mission** is to connect the physical and digital worlds through innovative, sustainable solutions. Our **vision** is to open new paths by redefining standards for connectivity, service and innovation in Europe. And our **ambition** is to establish ourselves as the partner of choice for integrated cabling and connectivity solutions, combining technology, proximity and sustainability.

ADALTRA's identity is inspired by the slogan **We make the connection**, which reflects both our ability to connect people and infrastructure and our commitment to building strong, lasting relationships with customers and partners.

As active members of ADALTRA, EK and OPENETICS are moving towards a future in which connectivity is no longer merely infrastructure, but a genuine driver of transformation.

ADALTRA

we make the connection

www.adaltra.es
www.ek.plus
www.openetics.com

PRODUCT FAMILIES

EKSELANS

01 
SMATV

02 
Fiber and data

03 
Receivers, modulators and remote-control repeaters

04 
Transmodulation headend, encoders and IP streamers

05 
Hospitality / IPTV servers / chromecasting / OTT and operators

06 
CATV / HFC optical transmission - reception

07 
DTT + SAT transmission over optical fibre

08 
GPON

09 
Instrumentation

10 
EKOAX. Internet over coaxial cable

11 
WiFi, switches, 4G routers and LAN cable

12 
HOTSPOT Captive portal and network auditing

13 
Sensors, IoT

14 
Video door entry and access control

OPENETICS

15 
Copper structured cabling systems

16 
Rack cabinets 19”

17 
Professional PDU Power Strips

18 
Optical fibre (MM / SM)

19 
Optical fibre test and measurement equipment

VERTICAL MARKETS

01 
Hotels and campsites

02 
Universities and schools

03 
Government authorities

04 
Data centers

05 
Corporate buildings

06 
Industry 4.0

07 
Wind and solar farms

08 
Telecommunications operators

09 
Smart cities

10 
Health and social care sector

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EkSELANS / ADALTRA

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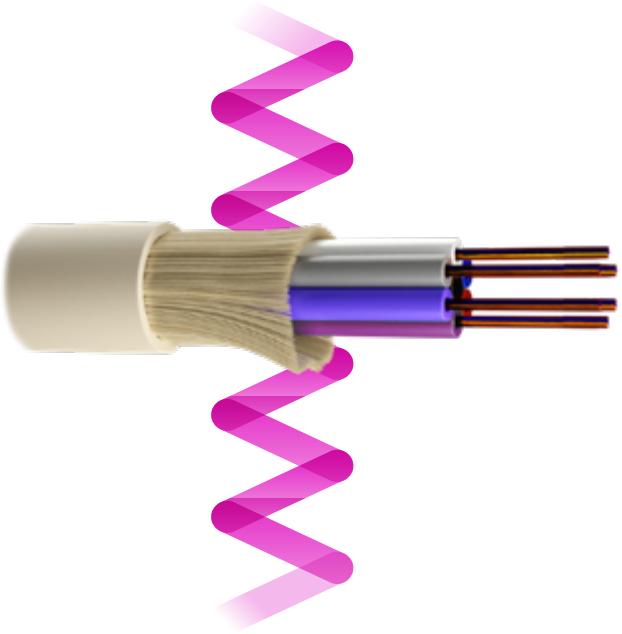
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OPENETICS / ADALTRA

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ADALTRA IBERIA declares that the products included in this price list correspond to those specified in their respective datasheets. ADALTRA IBERIA accepts no liability for any errors or omissions.

ADALTRA IBERIA reserves the right to make technical updates or amend equipment specifications without prior notice in order to improve product features or reliability. Product datasheets, manuals, images and declarations of conformity are available at:
www.ek.plus / **www.openetics.com**

N New

E To be discontinued. Available while stocks last

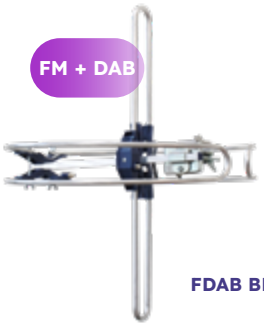
OP EK-branded product that will transition to OPENETICS

EK OPENETICS-branded product that will transition to EK

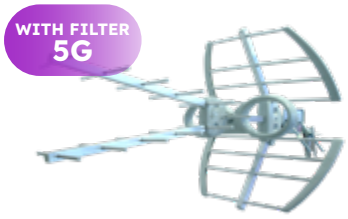
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EKSELANS / ADALTRA

SMATV



FDAB BLUE



EK 70 L2



EK BLUE



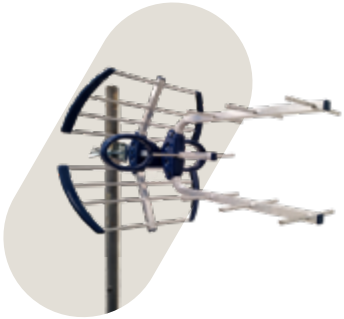
EKBLUEMAX

CODE	REFERENCE	DESCRIPTION	PACK QUANTITY
OUTDOOR ANTENNAS			
RADIO SERIES: FM / DAB			
011001	**FM 1**	Circular omnidirectional FM antenna (87.5–108 MHz) with F connector. G: 1 dB	6/24
011002	**FM IN**	Circular omnidirectional FM antenna (87.5–108 MHz) with F connector. G: 1 dB. Individually packed	1/6/24
012001	**DAB 1**	Omnidirectional DAB digital radio antenna (195–223 MHz) with F connector. G: 1 dB	6/30
012002	**DAB IN**	Omnidirectional DAB digital radio antenna (195–223 MHz) with F connector. G: 1 dB. Individually packed	1/6/24
BLUE FM/DAB PREFIX + Easy U SERIES			
012003	**FDAB BLUE**	Combined FM/DAB antenna with two housings and two independent F connectors. G: 1 dB.	6/24
UHF - easyU - 5G SERIES			
013012	**EK MINI L2**	UHF LTE2 antenna (470–694 MHz) with F connector. G: 12 dB. High-rejection 5G filter. Length 455 mm	6/144
013015	**EK 70 L2**	UHF LTE2 antenna (470–694 MHz) with F connector. G: 14.5 dB. High-rejection 5G filter. Length 745 mm	6/144
013031	**DAP 22**	Active / passive dipole compatible with EK MINI / EK 70 / EK 100. Gain in active mode: 22 dB. Power supply: 12–24 V DC.	3
BLUE UHF PRE-FIX + easyU - 5G SERIES			
013023	**EK BLUE**	UHF LTE2 antenna (470–694 MHz) with F connector. G: 17 dB. High-rejection 5G filter. Length 740 mm	6/120
013027	**EK BLUE IN**	UHF LTE2 antenna (470–694 MHz) with F connector. G: 17 dB. High-rejection 5G filter. Individually packed	1/72
013033	**EK BLUE MAX**	UHF LTE2 antenna (470–694 MHz) with F connector. G: 18.5 dB. High-rejection 5G filter. Length 980 mm	6/96
013108	**DA BLUE**	Active dipole + 20 dB for EK Blue. Power supply: 12–24 V DC	3

EKBLUE

PRE-FIX: PATENTED CLAMP FOR MUCH EASIER, MORE CONVENIENT AND SAFER INSTALLATION

EK BLUE: tool-free installation in 5 clicks. Hyperbolic reflectors for exceptional gain



Watch the video installation demonstration of EKBLUE

PRE-FIX: holds the antenna on the mast without requiring its weight to be supported by hand during tightening



Watch the video Pre-fix demonstration

EASYU makes tightening easier with its quick-adjust wing nut



Watch the video demonstration of EASYU



EK BLUE ACTIVE IN



ODS 60 / ODS 82

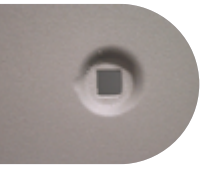


OD60R* / OD 80R / OD 80AL

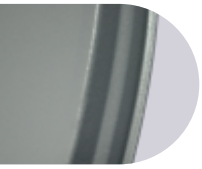
*Single clamp



ODS 60 / ODS 82 head



Square holes and anti-rotation screws



Triple reinforcing rib



OD 100 head

UHF PRE-FIX ACTIVE + easyU - 5G SERIES

013034	**EK BLUE AP**	Active / passive UHF LTE2 antenna (470–694 MHz) with F connector. G: Active: 38 dB / Passive: 16 dB. High-rejection 5G filter. Power supply: 12–24 V DC. Power adapter not included.	6/120
013028	**EK BLUE ACTIVE**	Active UHF LTE2 antenna (470–694 MHz) with F connector. G: 38 dB. High-rejection 5G filter. Power supply: 12–24 V DC. Power adapter not included	6/120
013029	**EK BLUE ACTIVE IN**	Active UHF LTE2 antenna (470–694 MHz) with F connector. G: 38 dB. High-rejection 5G filter. Power supply: 12–24 V DC. Power adapter not included. Individually packed	1/72
013030	**KIT EK BLUE ACTIVE**	Active UHF LTE2 antenna (470–694 MHz) with F connector. G: 38 dB. High-rejection 5G filter. Power supply: 12–24 V DC. FA QCF 242 power adapter included. Individually packed	1/72

EKBLUE ACTIVE►

All the mechanical benefits of the EK Blue model are now enhanced by a **revolutionary integrated amplifier** in the antenna dipole. Its low noise figure and **extremely high output level** enable weak and very strong signals to be processed simultaneously without intermodulation, while maintaining **optimum signal quality**. Its wide operating range makes it 100% operational despite potential changes in reception levels. For any passive reception signal **between 37 dBuV and 85 dBuV**, EK Blue active will provide a **true gain of 20 dB** without any degradation of the received signal quality (MER). Incorporates a high-rejection 5G filter.

SATELLITE DISHES

STEEL SERIES

021045	**ODS 60-1**	60 cm offset satellite dish. G: 36.67 dB (12.5 GHz). Colour RAL 7035. Individually packed	1/20
021046	**ODS 60-2**	60 cm offset satellite dish. G: 36.67 dB (12.5 GHz). Colour RAL 7035. Pack of 2	2/40
021042	**ODS 60-10**	60 cm offset satellite dish. G: 36.67 dB (12.5 GHz). Colour RAL 7035. Pack of 10	10/100
021006	**OD 60R-6**	60 cm offset satellite dish with solid feed-arm bracket. G: 36.67 dB (12.5 GHz). Colour RAL 7035. Pack of 6	6
021038	**OD 60R-100**	60 cm offset satellite dish with solid feed-arm bracket. G: 36.67 dB (12.5 GHz). Colour RAL 7035. Pallet of 100	100
021007	**OD 80R-6**	80 cm offset satellite dish with solid feed-arm bracket. G: 38.52 dB (12.5 GHz). Colour RAL 7035. Pack of 6	6
021039	**OD 80R-100**	80 cm offset satellite dish with solid feed-arm bracket. G: 38.52 dB (12.5 GHz). Colour RAL 7035. Pallet of 100	100
021047	**ODS 82-1**	82 cm offset satellite dish. G: 38.52 dB (12.5 GHz). Colour RAL 7035. Individually packed	1/15
021048	**ODS 82-2**	82 cm offset satellite dish. G: 38.52 dB (12.5 GHz). Colour RAL 7035. Pack of 2	2/30
021026	**ODS 82-10**	82 cm offset satellite dish. G: 38.52 dB (12.5 GHz). Colour RAL 7035. Pack of 10	10/100
021049	**ODS 100-1**	100 cm offset satellite dish. G: 40.32 dB (12.5 GHz). Colour RAL 7035. Individually packed	1/10
021050	**ODS 100-2**	100 cm offset satellite dish. G: 40.32 dB (12.5 GHz). Colour RAL 7035. Pack of 2	2/20
021051	**ODS 100-3**	100 cm offset satellite dish. G: 40.32 dB (12.5 GHz). Colour RAL 7035. Pack of 3	3/30
021008	**OD 100-3**	100 cm offset satellite dish. G: 40.32 dB (12.5 GHz). Colour RAL 7035. Reinforced feed-arm bracket. Pack of 3	3
021037	**OD 100-25**	100 cm offset satellite dish. G: 40.32 dB (12.5 GHz). Colour RAL 7035. Reinforced feed-arm bracket. Pallet of 25	25
021010	**MFC 2**	Multi-feed bracket for 2 LNBs	10

* Price per unit

ALUMINIUM SERIES

021031	**OD 80 AL 6**	80 cm offset satellite dish with solid feed-arm bracket. G: 38.52 dB (12.5 GHz). Colour RAL 7035. Pack of 6	6

SATELLITE DISH + LNB KIT

021055	**KIT ODS 60-1**	60 cm offset satellite dish. G: 36.67 dB (12.5 GHz). Colour RAL 7035. Includes LNB 11. Individually packed	1/20
021056	**KIT ODS 60-10**	60 cm offset satellite dish. G: 36.67 dB (12.5 GHz). Colour RAL 7035. Includes LNB 11. Pack of 10	10/40

* Price per unit

MECHANICAL ACCESSORIES



M 250

MASTS

025026	**M 120-35**	Push-fit mast. Length 1.2 m × 35 mm × 1.5 mm	6
025027	**M 120-40**	Push-fit mast. Length 1.2 m × 40 mm × 2 mm	4
025015	**M 250**	Push-fit mast. Length 2.5 m × 35 mm × 1.5 mm	6



GT

WALL BRACKETS AND CLAMPS

025016	**GT**	Right-angle wall bracket for wall plugs. M8 clamp	20
025017	**GTP**	350 mm wall bracket with plate for wall plugs. M8 clamp	25
025004	**MR 8**	Reinforced single clamp. Maximum diameter 68 mm	50
025025	**ACH**	Chimney U-bolt	15
025029	**K ACH**	Corner protector kit for ACH	15



SP 32 / SP 32G / SP 40F

TOWERS

025018	**BFT**	Fixed base for 180 mm tower	1/4
025019	**GR**	Threaded hook (unit)	1/24
025020	**TIT 25**	2.5 m intermediate section for 180 mm tower	1
025021	**TFT 25**	2.5 m top section for 180 mm tower	1
025030	**TFT 12**	1.2 m top section for 180 mm tower	1
025024	**KVT**	Guy-wire kit. 25 m of 2 mm steel cable + cable clamps + anchor	1



SP 40

BRACKETS

025010	**SP 32**	Zinc-plated wall bracket. Diameter 32 mm. For 60 and 80 cm antennas	10
025012	**SP 32G**	Hot-dip galvanised wall bracket. Diameter 32 mm. For OD 60 / ODS 60	10
025011	**SP 40F**	Zinc-plated wall bracket. Diameter 38 mm. For 80 and 100 cm antennas	10
025002	**SP 40**	Swivel wall bracket. Sendzimir tube. Diameter 40 mm. For 60 and 80 cm antennas	6
025004	**MR 8**	Clamp for mounting SP 32 / SP 32G / SP 35 / SP 40F / SP 40 on a mast or railing	50
025003	**SP 50**	Hot-dip galvanised wall bracket. Diameter 50 mm. For 80 and 100 cm antennas	4
025007	**SS 60**	Floor mount. Diameter 60 mm	1
025013	**BFS**	Fixed base for SS 60	1



LNB 11P

LNB'S

PLL SERIES WITH LTE FILTER

022028	**LNB 11P**	Universal single-output LNB, 1 output. Input frequencies: 10.7–11.7 GHz (L.O.: 9.75 GHz) / 11.7–12.75 GHz (L.O.: 10.6 GHz)	1/100
022029	**LNB 21P**	Universal twin-output LNB, 2 outputs. Input frequencies: 10.7–11.7 GHz (L.O.: 9.75 GHz) / 11.7–12.75 GHz (L.O.: 10.6 GHz)	1/50
022030	**LNB 40P**	Quad-output LNB, 4 outputs. Input frequencies: 10.7–11.7 GHz (L.O.: 9.75 GHz) / 11.7–12.75 GHz (L.O.: 10.6 GHz)	1/50
022026	**LNB 21 MG**	Multi-degree MONOBLOCK LNB (adjustable). 1 output. Input frequencies: 10.7–11.7 GHz (L.O.: 9.75 GHz) / 11.7–12.75 GHz (L.O.: 10.6 GHz). Integrated DiSEqC switch	10/30



LNB 21P



LNB 21 MG



DRO 40G / DRO 44G



DRO 80G



LNB WB 1040



LNB 40P · LNB 44P



CD 21



PMM



FE 694E



FI 694

DRO SERIES WITH LTE FILTER AND DOUBLE SCREENING

HIGH-END **RANGE**
HIGH **EFFICIENCY**
HIGH **QUALITY**

022017	**DRO 10 G**	Single-output LNB, 1 output. DRO technology. Input frequencies: 10.7–11.7 GHz (L.O.: 9.75 GHz) / 11.7–12.75 GHz (L.O.: 10.6 GHz)	10/100
022018	**DRO 20 G**	Twin-output LNB, 2 outputs. DRO technology. Input frequencies: 10.7–11.7 GHz (L.O.: 9.75 GHz) / 11.7–12.75 GHz (L.O.: 10.6 GHz)	10/60
022014	**DRO 40 G**	Quad-output LNB, 4 outputs. DRO technology. Input frequencies: 10.7–11.7 GHz (L.O.: 9.75 GHz) / 11.7–12.75 GHz (L.O.: 10.6 GHz)	10/60
022019	**DRO 80 G**	Octo-output LNB, 8 outputs. DRO technology. Input frequencies: 10.7–11.7 GHz (L.O.: 9.75 GHz) / 11.7–12.75 GHz (L.O.: 10.6 GHz)	10/40

COLLECTIVE AND MULTI-SWITCHING SYSTEMS

022031	**LNB 44P**	Quattro LNB for SMATV and multiswitches. PLL technology. 4 Ha-Va-Hb-Vb outputs. Input frequencies: 10.7–11.7 GHz (L.O.: 9.75 GHz) / 11.7–12.75 GHz (L.O.: 10.6 GHz)	1/50
022015	**DRO 44 G**	Quattro LNB for SMATV and multiswitches. DRO technology. 4 Ha-Va-Hb-Vb outputs. Input frequencies: 10.7–11.7 GHz (L.O.: 9.75 GHz) / 11.7–12.75 GHz (L.O.: 10.6 GHz)	10/60
022024	**LNB WB**	Wideband LNB. Input frequency: 10.7–12.75 GHz. 2 outputs: horizontal and vertical. Output frequency: 290–2,340 MHz. L.O. 10.41 GHz	1/50
022027	**LNB WB 1040**	Wideband LNB. Input frequency: 10.7–12.75 GHz. 2 outputs: horizontal and vertical. Output frequency: 300–2,350 MHz. L.O. 10.40 GHz	1/50

DiSEqC SWITCHES

023001	**CD 21**	DiSEqC switch for 2 LNBs. Frequency: 950–2,400 MHz. Insertion loss: <2 dB	10/120
024001	**PMM**	Outdoor installation cover for CD 21 /MI 2 TS L /RI 2	10/120
023004	**CD 41**	DiSEqC switch for 4 LNBs. Frequency: 950–2,400 MHz. Insertion loss: <3 dB	10/60

LTE - 5G FILTERS

031031	**FI 694**	LTE2 band-rejection filter for indoor installation. Passband: 5–694 MHz. Rejection: >60 dB LTE 2. Allows channel 48 to pass	1/10/100
031030	**FE 694E**	LTE2 band-rejection filter for outdoor installation. Passband: 5–694 MHz. Rejection: >60 dB LTE 2. Allows channel 48 to pass	10/60

CLASS A +10 dB

QuiCoax



MQC TS

QUICOAXF



MQCF TS



MI 2 TS L2 / RI 2



AM 361 EASY MAGNEK



AM 402 EASY MAGNEK

COMBINERS / SPLITTERS

131005	**MQC TS**	QuiCoax series combiner/splitter. 2 inputs: TER-SAT. Through loss: 1 dB (TER) / 1.5 dB (SAT). With DC pass on SAT input	10/120
131006	**MQCF TS**	Multi-purpose outdoor QuiCoax / F series combiner/splitter. 2 inputs: TER-SAT. Through loss: 1 dB (TER) / 1.5 dB (SAT). With DC pass on SAT input	10/120
131004	**MI 2 TS L2**	Combiner/splitter. 2 inputs: TER / SAT. Through loss: 1 dB (TER) / 1.5 dB (SAT). With DC pass on SAT input	10/120
141006	**RI 2**	Class A 2-way splitter. Passband: 5–2,400 MHz. Through loss: 3.8 dB (862 MHz) / 4.9 dB (2,400 MHz). With DC pass. Bottom connectors. PMM-compatible (outdoor installation)	10/120
024001	**PMM**	Outdoor installation cover for MI 2 TS L2 / RI 2 / CD 21	10/120
131002	**MI 3 ICT**	TER/SAT combiner/splitter for ICT installations. 3 inputs: TER (5–862 MHz) / 2 × SAT (950–2,400 MHz). 2 outputs: TER + SAT 1 / TER + SAT 2. Through loss: 4 dB (TER) / 2 dB (SAT). Class A	10/100

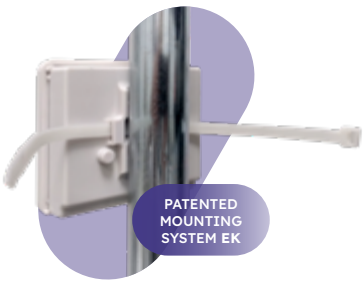
MAST AMPLIFIERS / POWER SUPPLIES

DTT 5G SERIES 12 - 24 V DC

051030	**AM 361** EASYMAGNEK	Mast amplifier, 1 input: UHF (470–694 MHz). G: 40 dB. Output level (DIN 45004B): 114 dBµV. Supply voltage: 12–24 V DC. Switchable DC pass on UHF input. TEST output (-10 dB). High-rejection 5G filter	10/40
051017	**AM 322** EASYMAGNEK	Mast amplifier, 3 inputs: VHF (47–240 MHz) / 2 × UHF (470–694 MHz). G: 20 dB (VHF) / 2 × 36 dB (UHF). Output level (DIN 45004B): 114 dBµV. Supply voltage: 12–24 V DC. Switchable DC pass on UHF1 and UHF2 inputs. TEST output (-10 dB). High-rejection 5G filter	10/40
051018	**AM 402** EASYMAGNEK	Mast amplifier, 2 inputs: VHF (47–240 MHz) / UHF (470–694 MHz). G: 20 dB (VHF) / 40 dB (UHF). Output level (DIN 45004B): 114 dBµV. Supply voltage: 12–24 V DC. Switchable DC pass on UHF input. TEST output (-10 dB). High-rejection 5G filter	10/40

EASYMAGNEK

- / Easy to install thanks to the integrated magnetic mounting system (patented)
- / Easy, convenient and safer for working at height. One-handed installation
- / Compatible with any commercially available bracket or mast
- / ABS plastic box with optimised width, self-supporting cover and cable closure.
- / Tilting amplifier for easy connection. Zamak housing for maximum screening
- / High-rejection 5G filter
- / High output level prevents intermodulation problems when processing strong and weak signals
- / Operating-status LED
- / Low noise figure
- / TEST output -10 dB. Can be used as a 2nd output
- / Power supply 12–24 V DC





Magnetic clamp compatible with any commercially available mast bracket



Operating-status LED

Access the video demonstrating the AM 361 EASY MAGNEK



KIT AM 361



AM 312 L2



FA 24S



FA QC 24



FA QC 242SC

QUICOAXF



Example of mounting on DIN rail

MAST KIT

051038	**KIT AM 311**	Mast amplifier, 2 inputs: VHF (-1 dB) / UHF (470–694 MHz). G: 35 dB. Output level (DIN 45004B): 110 dBµV. Supply voltage: 24 V DC. With DC pass on UHF input. High-rejection 5G filter. Includes 24 V DC power supply, reference FA QCF 242	10/40
051032	**KIT AM 361** EASYMAGNEK	Mast amplifier, 1 input: UHF (470–694 MHz). G: 36 dB. Output level (DIN 45004B): 114 dBµV. Supply voltage: 24 V DC. With DC pass on UHF input. High-rejection 5G filter. Includes multi-purpose 24 V DC Quicoax/F power supply, reference FA QCF 242	10/40
051037	**KIT AM 313** EASYMAGNEK	Mast amplifier with 4 inputs: VHF (47–240 MHz) / 2 × UHF (470–694 MHz) / SAT (950–2,150 MHz). G: -1 dB (VHF) / 2 × 36 dB (UHF) / -1 dB (SAT). Output level (DIN 45004B): 114 dBµV. Supply voltage range: 12–24 V DC. With switchable DC pass on UHF inputs and DC pass on SAT input. High-rejection 5G filter. Includes 12 V DC power supply, reference FA QC 12.	10/40

DTT 5G SERIES 24 V DC

051024	**AM 311 L2**	Mast amplifier, 2 inputs: VHF (-1 dB) /UHF (470–694 MHz). G: 35 dB. Output level (DIN 45004B): 110 dBµV. Supply voltage: 24 V DC. With DC pass on UHF input. High-rejection 5G filter	10/40
051025	N **AM 312 L2**	Mast amplifier, 3 inputs: VHF (47–240 MHz) (-1 dB) / 2 × UHF (470–694 MHz). G: 32 dB. Output level (DIN 45004B): 110 dBµV. Supply voltage: 24 V DC. With DC pass on UHF inputs. High-rejection 5G filter	10/40

24 V DC POWER SUPPLIES WITH F CONNECTOR

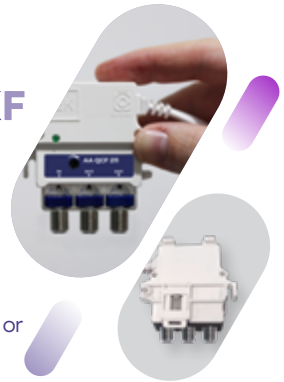
052003	**FA 24 S**	Switched-mode power supply. Output voltage: 24 V DC. Maximum current: 150 mA. 2 outputs with F connector	10/60

24 V DC QuiCoax POWER SUPPLIES

053003	**FA QC 24**	Switched-mode power supply. Output voltage: 24 V DC. Maximum current: 150 mA. 1 output	10/60
163004	**AQC F**	QuiCoax male-to-F female adapter	25/1000
059001	**AMCD**	DIN-rail mounting accessory for QuiCoax power supplies	1/1000

POWER SUPPLIES MULTI-PURPOSE QUICOAXF

- / High-efficiency switched-mode power supply
- / Ultra-compact size
- / The only power supply on the market that fits in 80 × 80 mm distribution boxes
- / Wall or DIN-rail mounting with no accessories required
- / Multi-purpose system: next-generation QuiCoax connection option or F connectors (adapters included in the packaging)



MULTI-PURPOSE 24 V DC POWER SUPPLIES QuiCoax - F / WALL - DIN RAIL

053008	**FA QCF 242**	Switched-mode power supply. Output voltage: 24 V DC. Maximum current: 150 mA. 2 outputs	10/60
053009	**FA QCF 242SC**	Switched-mode power supply with terminal (without mains cable). Output voltage: 24 V DC. Maximum current: 150 mA. 2 outputs	10/60

EASY MAGNEK DTT 5G + SAT SINGLE-CABLE SERIES

051019	**AM 313** EASYMAGNEK	Mast amplifier, 4 inputs: VHF (47–240 MHz) / 2 × UHF (470–694 MHz) / SAT (950–2,150 MHz). G: -1 dB (VHF) / 2 × 36 dB (UHF) / -1 dB (SAT). Output level (DIN 45004B): 114 dBµV. Supply voltage: 12–24 V DC. Switchable DC pass on UHF inputs and DC pass on SAT input. High-rejection 5G filter	10/40
051020	E **AM 283** EASYMAGNEK	Mast amplifier, 3 inputs: VHF-UHF (47–230 / 470–694 MHz) / UHF (470–694 MHz) / SAT (950–2,200 MHz). G: 20/26 dB (VHF-UHF) / 26 dB (UHF) / -2 dB (SAT). Output level (DIN 45004B): 112 dBµV. Supply voltage range: 12–24 V DC. With DC pass on SAT input. High-rejection 5G filter	10/40



FA 12 MINI

POWER SUPPLIES FOR DTT + SAT SINGLE-CABLE SERIES WITH F CONNECTOR

052005	**FA 12 MINI**	Switched-mode power supply. Output voltage: 12 V DC. Maximum current: 250 mA. With LNB power pass (13–18 V DC/22 kHz). 1 output with F connector	10/60
166001	**RFF**	Plug-in 2-way splitter for FA 12 MINI / FA 121	50/400

12 V DC QuiCoax POWER SUPPLIES FOR DTT + SAT SINGLE-CABLE SERIES

QuiCoax



FA QC 12

053001	**FA QC 12**	Switched-mode power supply. Output voltage: 12 V DC. Maximum current: 300 mA. With LNB power pass (13–18 V DC/22 kHz). 1 output	10/60
053006	**FA QC 12SC**	Switched-mode power supply with terminal (without mains cable). Output voltage: 12 V DC. Maximum current: 300 mA. With LNB power pass (13–18 V DC/22 kHz). 1 output	10/60
163004	**AQC F**	QuiCoax male-to-F female adapter	25/1000
059001	**AMCD**	DIN-rail mounting accessory for QuiCoax power supplies	1/1000

5G COMPACT WIDEBAND HEADEND AMPLIFIER



MCA 402 L2

061008	**MCA 402 L2**	Compact headend amplifier, 2 inputs: VHF (47 230 MHz) / UHF (470–694 MHz) with SAW filter. G: 32 dB (VHF) / 40 dB (UHF) / Output level (DIN 45004B): 117 dBµV (VHF) / 114 dBµV (UHF). Switchable 12 V DC power on UHF input. Class A. High-rejection 5G filter	10/60
061009	**MCA 352**	Compact headend amplifier, 2 inputs: VHF (47–240 MHz) / UHF (470–694 MHz). G: -1 dB (VHF) / 36 dB (UHF). Output level (DIN 45004B): 110 dBµV. Switchable 12 V DC power on UHF input. Class A. High-rejection 5G filter	6/24
061010	**MCA 353**	Compact headend amplifier, 3 inputs: VHF (47–240 MHz) / 2 × UHF (470–694 MHz). G: -1 dB (VHF) / 2 × 32 dB (UHF). Output level (DIN 45004B): 110 dBµV. Switchable 12 V DC power on UHF1 and UHF2 inputs. Class A. High-rejection 5G filter	6/24



MCA 353

COMPACT 5G WIDEBAND POWER HEADEND AMPLIFIERS

DTT 5G SERIES



CA 422 L2

062007	**CA 422 L2**	Headend amplifier, 2 inputs: VHF (47–240 MHz) / UHF (470–694 MHz). G: 20 dB (VHF) / 40 dB (UHF). Output level (DIN 45004B): 116 dBµV. Switchable 12 V DC power on UHF input. TEST: -30 dB. Class A. High-rejection 5G filter.	6/24
062006	**CA 383 L2**	Headend amplifier, 3 inputs: VHF (47–240 MHz) / 2 × UHF (470–694 MHz). G: 20 dB (VHF) / 2 × 36 dB (UHF). Output level (DIN 45004B): 116 dBµV. Switchable 12 V DC power on UHF1 and UHF2 inputs. TEST: -30 dB. Class A. High-rejection 5G filter	6/24

DTT 5G + SAT SINGLE-CABLE SERIES



CA 363 L2 SAT

062008	**CA 402 L2 SAT**	Headend amplifier, 3 inputs: VHF (47–240 MHz) / UHF (470–694 MHz) / SAT (950–2,150 MHz). G: 20 dB (VHF) / 40 dB (UHF) / 34–40 dB (SAT). Output level: 115 dBµV (terrestrial) / 119 dBµV (SAT). Switchable 12 V DC power on UHF input and fixed 13 V DC LNB power (300 mA). Class A. High-rejection 5G filter	6/24
062015	**CA 363 L2 SAT**	Headend amplifier, 4 inputs: VHF (47–240 MHz) / 2 × UHF (470–694 MHz) / SAT (950–2,150 MHz). G: 20 dB (VHF) / 2 × 36 dB (UHF) / 34–40 dB (SAT). Output level: 115 dBµV (terrestrial) / 119 dBµV (SAT). Switchable 12 V DC power on UHF inputs and fixed 13 V DC LNB power (300 mA). Class A. High-rejection 5G filter	6/24
059001	**AMCD**	DIN-rail mounting accessory for headend amplifiers	1/1000



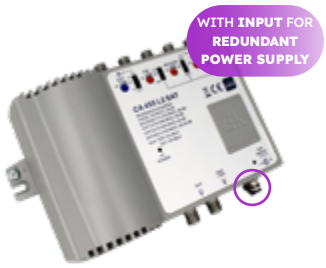
CA 403



CA 374



CA 482 L2



CA 455 L2 SAT



Connected redundant power supply

HIGH-POWER 5G WIDEBAND HEADEND AMPLIFIERS

DTT 5G SERIES

062009	**CA 403**	Headend amplifier, 3 inputs: FM / BIII-DAB / UHF (470–694 MHz). G: 30 dB (FM) / 30 dB (BIII-DAB) / 46 dB (UHF). Output level (DIN 45004B): 119 dBµV. Switchable 12/24 V DC preamplifier power on UHF input. TEST: -30 dB. Class A. High-rejection 5G filter	1/10
062010	**CA 374**	Headend amplifier, 4 inputs: FM (88–108 MHz) / VHF (170–240 MHz) / 2 × UHF (470–694 MHz). G: 30 dB (FM) / 30 dB (VHF) / 2 × 42 dB (UHF). Output level (DIN 45004B): 119 dBµV. Switchable 12 V DC preamplifier power on UHF1 and UHF2 inputs. Class A. High-rejection 5G filter	1/10
063004	**CA 482 L2**	Headend amplifier, 2 inputs: VHF (47–233 MHz) / UHF (470–694 MHz). G: 30 dB (FM) / 35 dB (BIII-DAB) / 48 dB (UHF). Output level (DIN 45004B): 122 dBµV. Switchable 12/24 V DC power on UHF input. TEST: -30 dB. Class A. High-rejection 5G filter. Optional redundant power supply	1/6
063006	**CA 453 L2**	Headend amplifier, 3 inputs: VHF (47–232 MHz)/ UHF 1 (470–694 MHz) / UHF 2 (470–694 MHz). G: 30 dB (FM) / 35 dB (BIII-DAB) / 44 dB (2 × UHF). Output level (DIN 45004B): 124 dBµV. Switchable 12/24 V DC power on UHF inputs. TEST: -30 dB. Class A. High-rejection 5G filter. Optional redundant power supply.	1/6
071010	**FA 2600P**	External power supply for redundancy in CA 482 L2, CA 453 L2 and CA 455 L2 SAT	1/50

DTT 5G + SAT - UP TO 30 OUTLETS

063008	**CA 455 L2 SAT**	Headend amplifier, 5 inputs: FM / BIII-DAB / UHF 1 (470–694 MHz) / UHF 2 (470–694 MHz) / SAT. G: 30 dB (FM) / 35 dB (BIII-DAB) / 44 dB (2 × UHF) / 40 dB (SAT). Output level (DIN 45004B): 122 dBµV. Switchable 12/24 V DC power on UHF inputs and 13 V DC LNB power on SAT input. TEST: -30 dB. Class A. High-rejection 5G filter. Optional redundant power supply.	1/6

SAT AMPLIFIERS WITH TER COMBINING

170006	**MAD 382 L2**	Compact headend amplifier, 2 inputs: TER (47–694 MHz) / SAT (950–2,200 MHz). G: -1 dB (TER) / 31 dB (950 MHz) / 38 dB (2,150 MHz). Output level (DIN 45004B/ IMD -35 dB): 120 dBµV. 13 V DC LNB power. Class A	10/60

Extend the warranty on your wideband headend amplifiers and programmable amplifiers to 5 years!

Access the form via the **QR** and register to obtain the extended warranty

5 years EXTENDED WARRANTY



EASYMAGNEK
NOVUS MAST



FA 12S 500



NOVUS



NOVUS PRO



2.1 mm jack connector for redundant power supply (NOVUS PRO and NOVUS PRO ICT)



NOVUS PRO ICT



Spectrum mode screen with individual filter adjustment

Find out all the details of the Novus Series

NOVUS SERIES DIGITAL PROGRAMMABLE AMPLIFIERS

MAST SERIES

071022	**NOVUS MAST**	Amplifier with 32 ultra-selective UHF filters. 1 UHF input (G>40 dB)/ 1 UHF input with internal preamplifier (G>50 dB)/ 1 FM-DAB-BIII input (G>12 dB). Preamplifier power (12 V). Output level: 94 dBµV(1) (DIN 45004B). TEST output can be used as a second output. Automatic programming and individual filter adjustment using Visual Mode (Patent pending)	1/12
052007	**FA 12S 500**	Switched-mode power supply. Output voltage: 12 V DC. Maximum current: 500 mA. 2 outputs with F connector	1/10

(1) 86 dBµV for 10 MUX

INDOOR SERIES

071023	**NOVUS**	Amplifier with 32 ultra-selective UHF filters. 1 UHF input (G>55 dB)/ 1 UHF input with internal preamplifier (G>65 dB) / 1 FM-DAB-BIII input (G>12 dB). Preamplifier power (12 V). Output level: 113 dBµV(2) (DIN 45004B). Automatic programming and individual filter adjustment using Visual Mode (Patent pending). Installation fault detection using Test Mode.	1/15
071020	**NOVUS PRO**	Amplifier with 32 ultra-selective UHF filters. 1 UHF input (G>65 dB)/ 1 UHF input with internal preamplifier (G>75 dB) / 1 UHF input (G>65 dB) configurable for DAB/ 1 FM input (G>28 dB). Preamplifier power (12 V/24 V). Output level: 124 dBuV(3) (DIN 45004B). Automatic programming and individual filter adjustment using Visual Mode (Patent pending). Installation fault detection using Test Mode. Redundant power supply (optional).	1/10
071021	**NOVUS PRO ICT**	Amplifier with 32 ultra-selective UHF filters. 1 UHF input (G>60 dB)/ 1 UHF input with internal preamplifier (G>70 dB)/ 1 UHF input (G>60 dB) configurable for DAB/1 FM input (G>28 dB)/ 1 SAT input (G>35 dB). Preamplifier power (12 V/24 V). Output level: TER 120 dBµV(4) (DIN 45004B)/ SAT 119 dBµV (IMD-35 dB). Automatic programming and individual filter adjustment using Visual Mode (Patent pending). Installation fault detection using Test Mode. Redundant power supply (optional).	1/10
071010	**FA 2600P**	External power supply for redundancy in NOVUS PRO and NOVUS PRO ICT	1/50

(2) 105 dBµV for 10 MUX / (3) 116 dBµV for 10 MUX / (4) 112 dBµV for 10 MUX

NOVUS SERIES

The new generation of programmable amplifiers with **advanced** patented **modes** that redefine the standard

PATENTED DESIGN by Ek

Mode VISUAL

Mode SPECTRUM

Mode TEST

Mode STATUS

HQ

High-quality OLED display

Intuitive configuration using a multi-directional joystick

Manual and automatic programming

Independent output-level configuration for each MUX

Channel conversion

New hardware with extremely high-quality, reliable components

Input for redundant power supply

5 years EXTENDED WARRANTY

5-year extended warranty



Multiswitch QuiCoax

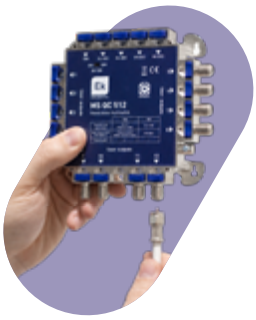
01 Minimises the **installation time**

02 **No** need for **tools**

03 Ensures an **excellent connection** and minimises **the space**

04 **Eliminates** the use of **connectors** and the **associated** costs

05 **QuiCoax**, the new **connection standard**



Conversion to F connector using AQC F adapter

- / High-screening zamak QuiCoax housing
- / Low power consumption. The external power supply powers the LNB only
- / In cascade installations, the power supply can be installed at any multiswitch in the cascade
- / DC pass on SAT trunk inputs and outputs
- / Switchable DC pass for powering preamplifiers at the TER input
- / Very easy to install in just a few seconds
- / Quick QuiCoax connection with no connectors required
- / **Second-generation QuiCoax system for an even easier connection**

MULTISWITCHES STAR QuiCoax 4 POLARISATIONS + TER



MS QC 512



MS QC 520E



MS QC 585

090013	**MS QC 512***	Star/end-of-cascade multiswitch. 5 inputs (4 SAT + 1 TER). 12 subscriber outputs. Tap loss: SAT <3 dB / TER 17 dB. With return path. EKOAX-compatible	1/24
090029	**MS QC 516E***	Star/end-of-cascade multiswitch. 5 inputs (4 SAT + 1 TER). 16 subscriber outputs. Tap loss: SAT <6 dB / TER 21 dB. With return path. EKOAX-compatible	1/15
090016	**MS QC 520***	Star/end-of-cascade multiswitch. 5 inputs (4 SAT + 1 TER). 20 subscriber outputs. Tap loss: SAT <6 dB / TER 20 dB. With return path. EKOAX-compatible	1/10
090030	**MS QC 520E***	Star/end-of-cascade multiswitch. 5 inputs (4 SAT + 1 TER). 20 subscriber outputs. Tap loss: SAT <6 dB / TER 23 dB. With return path. EKOAX-compatible	1/15
090017	**MS QC 524***	Star/end-of-cascade multiswitch. 5 inputs (4 SAT + 1 TER). 24 subscriber outputs. Tap loss: SAT <6 dB / TER 21 dB. With return path. EKOAX-compatible	1/10
090018	**MS QC 528***	Star/end-of-cascade multiswitch. 5 inputs (4 SAT + 1 TER). 28 subscriber outputs. Tap loss: SAT <6 dB / TER 22 dB. With return path. EKOAX-compatible	1/10
071006	**FA 1210**	12 V/1,000 mA power supply	1/100
071010	**FA 2600P**	12 V/2,600 mA power supply	1/50

* Power supply not included

MULTISWITCH IN CASCADE QuiCoax 4 POLARISATIONS + TER

090011	**MS QC 585***	Star/cascade multiswitch. 5 inputs (4 SAT + 1 TER). 8 subscriber outputs. 5 trunk outputs. Through loss <3 dB. Tap loss: SAT <3 dB / TER (Passive) 21 dB. With return path. Compatible with any star-type multiswitch. EKOAX-compatible	1/24

* Power supply not included

DCSS MULTISWITCH IN CASCADE QuiCoax 4 POLARISATIONS + TER



MS QC 515D

090014	**MS QC 515D***	Star/cascade multiswitch. 5 inputs. 4 SAT (2 × wideband or 1 × Quatro LNB) + 1 TER. 1 × 16 DCSS user bands. 5 trunk outputs. Through loss <3 dB. With return path. EKOAX-compatible	1/24

* Power supply not included

MULTISWITCHES STAR QuiCoax 8 POLARISATIONS + TER



MS QC 916

090031	**MS QC 98***	Universal star/end-of-cascade multiswitch. 9 inputs (8 SAT + 1 TER). 8 subscriber outputs. Tap loss: SAT <3 dB / TER (Passive) <16 dB. Output level: SAT (DIN 45004B -35dBc) 100 dBµV. With passive return path. EKOAX-compatible	1/15
090032	**MS QC 916***	Universal star/end-of-cascade multiswitch. 9 inputs (8 SAT + 1 TER). 16 subscriber outputs. Tap loss: SAT <3 dB / TER (Passive) <21 dB. Output level: SAT (DIN 45004B -35dBc) 100 dBµV. With passive return path. EKOAX-compatible	1/15
071006	**FA 1210**	12 V/1,000 mA power supply	1/100
071010	**FA 2600P**	12 V/2,600 mA power supply	1/50

* Power supply not included

MULTISWITCH IN CASCADE QuiCoax 8 POLARISATIONS + TER



MS QC 989

090033	**MS QC 989***	Universal star/cascade multiswitch. 9 inputs (8 SAT + 1 TER). 8 subscriber outputs. 9 trunk outputs. Through loss <3 dB. Tap loss: SAT <3 dB / TER (Passive) <23 dB. Output level: SAT (DIN 45004B -35dBc) 100 dBµV. With passive return path. EKOAX-compatible	1/15

* Power supply not included

QuiCoax CASCADE AMPLIFIERS



AMP QC 55

090034	**AMP QC 55***	Amplifier for cascadeable multiswitches with 5 inputs and 5 outputs. TV input 20 dB / 104dBµV. 4 × SAT inputs 23 dB / 110 dBµV	1/10
090035	**AMP QC 99***	Amplifier for cascadeable multiswitches with 9 inputs and 9 outputs. TV input 20 dB / 104dBµV. 8 × SAT inputs 23 dB / 110 dBµV	1/10

* Power supply not included

ACCESSORIES FOR QuiCoax MULTISWITCHES

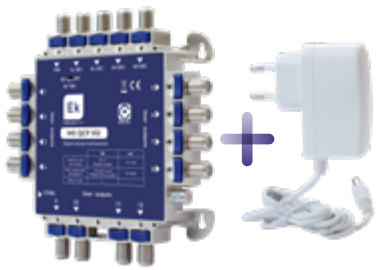


CQC 75A

163008	**CQC 75A**	Isolated QuiCoax 75 Ohm terminating load	25/1000
163004	**AQC F**	QuiCoax male-to-F female adapter	25/1000

MULTI-PURPOSE QuiCoax F STAR MULTISWITCHES, 4 POLARISATIONS + TER

QUICOAXF



MS QCF 512 + FA 1210

090037	**MS QCF 512***	Star/end-of-cascade multiswitch. 5 inputs (4 SAT + 1 TER). 12 subscriber outputs. Tap loss: SAT <3 dB / TER 17 dB. With return path. EKOAX-compatible	1/10
090038	**MS QCF 516***	Star/end-of-cascade multiswitch. 5 inputs (4 SAT + 1 TER). 16 subscriber outputs. Tap loss: SAT <6 dB / TER 21 dB. With return path. EKOAX-compatible	1/10
090039	**MS QCF 520***	Star/end-of-cascade multiswitch. 5 inputs (4 SAT + 1 TER). 20 subscriber outputs. Tap loss: SAT <6 dB / TER 23 dB. With return path. EKOAX-compatible	1/10
090040	**MS QCF 524***	Star/end-of-cascade multiswitch. 5 inputs (4 SAT + 1 TER). 24 subscriber outputs. Tap loss: SAT <6 dB / TER 21 dB. With return path. EKOAX-compatible	1/10
090041	**MS QCF 528***	Star/end-of-cascade multiswitch. 5 inputs (4 SAT + 1 TER). 28 subscriber outputs. Tap loss: SAT <6 dB / TER 22 dB. With return path. EKOAX-compatible	1/10

* FA 1210 power supply included

QUICOAXF



MS QCF 585

MULTI-PURPOSE QuiCoax F CASCADE MULTISWITCHES, 4 POLARISATIONS + TER

090042	**MS QCF 585***	Star/cascade multiswitch. 5 inputs (4 SAT + 1 TER). 8 subscriber outputs. 5 trunk outputs. Through loss <3 dB. Tap loss: SAT <3 dB / TER (Passive) 21 dB. With return path. Compatible with any star-type multiswitch. EKOAX-compatible	1/12
090043	**MS QCF 515D***	Star/cascade multiswitch. 5 inputs. 4 SAT (2 × wideband or 1 × Quatro LNB) + 1 TER. 1 × 16 DCSS user bands. 5 trunk outputs. Through loss <3 dB. With return path. EKOAX-compatible	1/12

* Power supply not included

MULTISWITCH KIT MULTI-PURPOSE CASCADE QuiCoax F 4 POLARISATIONS + TER

090049	**KIT MS QCF 515D**	Kit with LNB Wide Band 1040, multiswitch MS QCF 515D and power supply FA 1210	1/12



MS QCF 515D

MULTISWITCHES MULTI-PURPOSE STAR QuiCoax F 8 POLARISATIONS + TER

090045	**MS QCF 98***	Universal star/end-of-cascade multiswitch. 9 inputs (8 SAT + 1 TER). 8 subscriber outputs. Tap loss: SAT <3 dB / TER (Passive) <16 dB. Output level: SAT (DIN 45004B -35 dBc) 100 dBµV. With passive return path. EKOAX-compatible	1/10
090046	**MS QCF 916***	Universal star/end-of-cascade multiswitch. 9 inputs (8 SAT + 1 TER). 16 subscriber outputs. Tap loss: SAT <3 dB / TER (Passive) <21 dB. Output level: SAT (DIN 45004B -35 dBc) 100 dBµV. With passive return path. EKOAX-compatible	1/10

* FA 1210 power supply included

MULTI-PURPOSE QuiCoax F CASCADE MULTISWITCH, 8 POLARISATIONS + TER



MS QCF 989

090044	**MS QCF 989***	Universal star/cascade multiswitch. 9 inputs (8 SAT + 1 TER). 8 subscriber outputs. 9 trunk outputs. Through loss <3 dB. Tap loss: SAT <3 dB / TER (Passive) <23 dB. Output level: SAT (DIN 45004B -35 dBc) 100 dBµV. With passive return path. EKOAX-compatible	1/10

* Power supply not included

MULTI-PURPOSE QuiCoax F CASCADE AMPLIFIERS

090047	**AMP QCF 55***	Amplifier for cascadeable multiswitches with 5 inputs and 5 outputs. TV input 20 dB / 104 dBµV. 4 × SAT inputs 23 dB / 110 dBµV	1/10
090048	**AMP QCF 99***	Amplifier for cascadeable multiswitches with 9 inputs and 9 outputs. TV input 20 dB / 104 dBµV. 8 × SAT inputs 23 dB / 110 dBµV	1/10

* Power supply not included



AMP QCF 55

F MULTI-SPLITTERS FOR 4- AND 8-POLARISATION MULTISWITCHES + TER

090050	**MR 525**	5-input, 2 × 5-output multi-splitter. Passband: 5–2,400 MHz. Through loss: 3.8 dB (862 MHz) / 4.9 dB (2,400 MHz). With DC pass. Class A +10 dB	1/10
090051	**MR 929**	9-input, 2 × 9-output multi-splitter. Passband: 5–2,400 MHz. Through loss: 3.8 dB (862 MHz) / 4.9 dB (2,400 MHz). With DC pass. Class A +10 dB	1/10



MR525

F MULTI-TAPS FOR 4- AND 8-POLARISATION MULTISWITCHES + TER

090052	**MD 555-24**	Multi-tap with 5 inputs, 5 taps and 5 trunk outputs. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 0.8 dB (862 MHz) / 2 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	1
090053	**MD 555-20**	Multi-tap with 5 inputs, 5 taps and 5 trunk outputs. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 1 dB (862 MHz) / 2.2 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	1



MD 555-16



MD 999-12



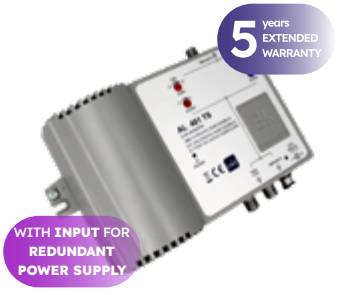
MI 3 ICT



AC 118R



ALS 24



AL 401 TS



AL 362 ICT

090054	**MD 555-16**	Multi-tap with 5 inputs, 5 taps and 5 trunk outputs. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 1.5 dB (862 MHz) / 2.4 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	1
090055	**MD 555-12**	Multi-tap with 5 inputs, 5 taps and 5 trunk outputs. Passband: 5–2,400 MHz. Tap loss: 12 dB. Through loss: 2.2 dB (862 MHz) / 3.5 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	1
090056	**MD 999-24**	Multi-tap with 9 inputs, 9 taps and 9 trunk outputs. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 0.8 dB (862 MHz) / 2 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	1
090057	**MD 999-20**	Multi-tap with 9 inputs, 9 taps and 9 trunk outputs. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 1 dB (862 MHz) / 2.2 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	1
090058	**MD 999-16**	Multi-tap with 9 inputs, 9 taps and 9 trunk outputs. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 1.5 dB (862 MHz) / 2.4 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	1
090059	**MD 999-12**	Multi-tap with 9 inputs, 9 taps and 9 trunk outputs. Passband: 5–2,400 MHz. Tap loss: 12 dB. Through loss: 2.2 dB (862 MHz) / 3.5 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	1

ICT COMBINER

131002	**MI 3 ICT**	TER/SAT combiner/splitter for ICT installations. 3 inputs: TER + 2 × SAT (950–2,400 MHz). 2 outputs: TER + SAT 1 / TER + SAT 2. Through loss: 4 dB (TER) / 2 dB (SAT). Class A	10/100

LINE AMPLIFIERS

DTT / CATV / EKOAX

061007	**MCAL 381 LR**	Compact headend/line amplifier, 1 input (87–1,000 MHz) and passive 5–65 MHz return path. G: 26 dB (87 MHz) / 32 dB (1,000 MHz). Output level (DIN 45004B): 117 dBµV (VHF) / 114 dBµV (UHF). Class A. Compatible with EKOAX	10/60
102006	**AC 118 R**	CATV wideband amplifier with passive return path (5–65 MHz) and forward path (87–1,000 MHz). G: 38 dB. Output level (DIN 45004B): 118 dBµV. Independent gain and tilt adjustments. TEST output (-30 dB). Compatible with Ekoax system. Class A	6/24

SAT

101001	**ALS 24**	SAT line amplifier. Frequency: 950–2,400 MHz. G: 18 dB (950 MHz) / 25 dB (2,300 MHz). Output level (DIN 45004B -35 dBc): 110 dBµV. Class A	10/120

DTT + SAT

102002	**AL 351 TS**	TER + SAT line amplifier (1 input / 1 output). Range: TER (47–694 MHz) / SAT (950–2,150 MHz). G: 30–40 dB (TER) / 32–40 dB (SAT). Output level: 117 dBµV (TER) / 119 dBµV (SAT). Independent adjustment for each band. TEST output (-30 dB). Class A. High-rejection 5G filter	6/24
102022	**AL 401 TS**	TER + SAT line amplifier. 1 input: TER + SAT (47–694 / 950–2,150 MHz). G: 40 dB (TER) / 40 dB (SAT). Adjustable tilt in each band. Output level (DIN 45004B): 122 dBµV (TER) / 120 dBµV (SAT). TEST: -30 dB. Optional redundant power supply. Class A.	6

DTT 5G + SAT / DUAL Line

102021	**AL 362 ICT**	Dual-line TER + SAT amplifier. 2 inputs: TER + SAT (47–694/950–2,150 MHz). G: 36 dB (TER) / 40 dB (SAT). Adjustable tilt in each band. 2 TER + SAT outputs. Output level (DIN 45004B): 118 dBµV (TER) / 121 dBµV (SAT). TEST: -30 dB. Optional redundant power supply. Class A.	6
071010	**FA 2600P**	External power supply for redundancy in AL 401 TS and AL 362 ICT	1/50

WITH FILTER 5G



AA 20 L2



WITH FILTER 5G

AAS 20



AA QCF 182



AA QCF 182 SC

APARTMENT AMPLIFIERS

DTT 5G

111006	**AA 20 L2**	Apartment amplifier, 1 input / 2 outputs (47–694 MHz). G: 20 dB. Output level (DIN 45004B): 2 × 104 dBµV. Gain adjustment (15 dB). High-rejection 5G filter	10/60
111007	**AA 412 L2**	Apartment amplifier. 1 input (47–694 MHz). 4 outputs. G: 4 × 12 dB. Output level (DIN 45004B): 4 x 100dBµV	10/60

DTT + SAT

111005	**AAS 20**	Apartment amplifier. 1 input (47–2,200 MHz). 1 output. G: 11–22 dB (fixed tilt). Output level (DIN 45004B): 110 dBµV. Supports remote power and DC pass for the LNB	10/60

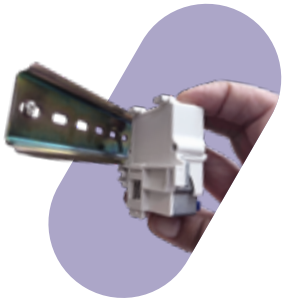
MICRO APARTMENT AMPLIFIERS

MICRO-AMPLIFIERS FOR APARTMENTS QUICOAXF

- Ultra-compact size
- Ideal for installation in 80 × 80 mm distribution boxes
- Wall or DIN-rail mounting with no accessories required
- High output level prevents intermodulation problems when processing strong and weak signals
- Multi-purpose system: next-generation QuiCoax connection option or F connectors (adapters included in the packaging)



QUICOAXF



Example of mounting on DIN rail

MICRO APARTMENT AMPLIFIERS QuiCoax-F

111016	**AA QCF 211**	Apartment amplifier. 1 input (47–694 MHz). 1 output. G: 21 dB. Output level (DIN 45004B): 114 dBµV	10/60
111017	**AA QCF 182**	Apartment amplifier. 1 input (47–694 MHz). 2 outputs. G: 18 dB. Output level (DIN 45004B): 2 × 110 dBµV	10/60
111018	**AA QCF 182 SC**	Apartment amplifier with terminal block (without mains cable). 1 input (47–694 MHz). 2 outputs. G: 18 dB. Output level (DIN 45004B): 2 × 110 dBµV	10/60



RQC 2M



RQC 3

QUICOAXF



RQCF 2



RQCF 6



PAU EXT

Enables RQC 2, 4, 6 and 8 splitters to be converted into subscriber PAUs



DQC 112

SPLITTERS QuiCoax

141009	**RQC 2M**	MINI Class A 2-output splitter. Passband: 5–2,400 MHz. Through loss: 3.8 dB (862 MHz) / 4.9 dB (2,400 MHz). With DC pass. Class A +10 dB	20/120
141010	**RQC 2**	Class A 2-output splitter. Passband: 5–2,400 MHz. Through loss: 3.8 dB (862 MHz) / 4.9 dB (2,400 MHz). With DC pass. Convertible into a PAU. Class A +10 dB	20/120
141011	**RQC 3**	Class A 3-output splitter. Passband: 5–2,400 MHz. Through loss: 7 dB (862 MHz) / 9.5 dB (2,400 MHz). With DC pass. Class A +10 dB	20/120
141016	**RQC 4**	Class A 4-output splitter. Passband: 5–2,400 MHz. Through loss: 8.1 dB (862 MHz) / 10 dB (2,400 MHz). With DC pass. Convertible into a PAU. Class A +10 dB	20/80
141017	**RQC 6**	Class A 6-output splitter. Passband: 5–2,400 MHz. Through loss: 10 dB (862 MHz) / 12 dB (2,400 MHz). With DC pass. Convertible into a PAU. Class A +10 dB	10/60
141018	**RQC 8**	Class A 8-output splitter. Passband: 5–2,400 MHz. Through loss: 12 dB (862 MHz) / 14 dB (2,400 MHz). With DC pass. Convertible into a PAU. Class A +10 dB	10/60
163005	**PAU EXT**	Connector with 75 Ohm terminating load. Enables RQC 2, 4, 6 and 8 splitters to be converted into subscriber PAUs.	25

SPLITTERS QuiCoax-F

141025	**RQCF 2**	Class A 2-output splitter. Passband: 5–2,400 MHz. Through loss: 3.8 dB (862 MHz) / 4.9 dB (2,400 MHz). With DC pass. Convertible into a PAU. Class A +10 dB	20/120
141026	**RQCF 3**	Class A 3-output splitter. Passband: 5–2,400 MHz. Through loss: 7 dB (862 MHz) / 9.5 dB (2,400 MHz). With DC pass. Class A +10 dB	20/120
141027	**RQCF 4**	Class A 4-output splitter. Passband: 5–2,400 MHz. Through loss: 8.1 dB (862 MHz) / 10 dB (2,400 MHz). With DC pass. Convertible into a PAU. Class A +10 dB	20/80
141028	**RQCF 6**	Class A 6-output splitter. Passband: 5–2,400 MHz. Through loss: 10 dB (862 MHz) / 12 dB (2,400 MHz). With DC pass. Convertible into a PAU. Class A +10 dB	20/120
141029	**RQCF 8**	Class A 8-output splitter. Passband: 5–2,400 MHz. Through loss: 12 dB (862 MHz) / 14 dB (2,400 MHz). With DC pass. Convertible into a PAU. Class A +10 dB	10/60
163005	**PAU EXT**	Connector with 75 Ohm terminating load. Enables RQC 2, 4, 6 and 8 splitters to be converted into subscriber PAUs.	10/60

TAPS QuiCoax

142026	**DQC 112**	MINI screened 1-output tap. Passband: 5–2,400 MHz. Tap loss: 12 dB. Through loss: 1.9 dB (862 MHz) / 3.2 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120
142027	**DQC 116**	MINI screened 1-output tap. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 1.5 dB (862 MHz) / 2.4 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120
142028	**DQC 120**	MINI screened 1-output tap. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 1 dB (862 MHz) / 2.2 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120
142029	**DQC 124**	MINI screened 1-output tap. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 0.8 dB (862 MHz) / 2 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120
141012	**DQC 212**	Screened 2-output tap. Passband: 5–2,400 MHz. Tap loss: 12 dB. Through loss: 2.2 dB (862 MHz) / 3.5 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120



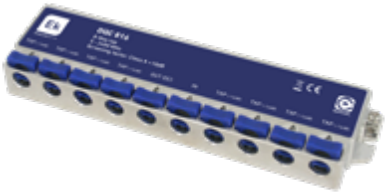
DQC 212



DQC 412



DQC 616



DQC 816

CLASSA
+10 dB

QUICOAXF



DQCF 116



DQCF 212

141013	**DQC 216**	Screened 2-output tap. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 1.6 dB (862 MHz) / 2.6 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120
141014	**DQC 220**	Screened 2-output tap. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 1.1 dB (862 MHz) / 2.6 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120
141015	**DQC 224**	Screened 2-output tap. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 1 dB (862 MHz) / 2.3 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120
142016	**DQC 412**	Screened 4-output tap. Passband: 5–2,400 MHz. Tap loss: 12 dB. Through loss: 3.2 dB (862 MHz) / 4.5 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/80
142017	**DQC 416**	Screened 4-output tap. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 1.8 dB (862 MHz) / 3.5 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/80
142018	**DQC 420**	Screened 4-output tap. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 1.5 dB (862 MHz) / 2.1 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/80
142019	**DQC 424**	Screened 4-output tap. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 1.3 dB (862 MHz) / 2 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/80
142020	**DQC 616**	Screened 6-output tap. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 4 dB (862 MHz) / 4.4 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	10/60
142021	**DQC 620**	Screened 6-output tap. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 2.7 dB (862 MHz) / 3.9 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	10/60
142022	**DQC 624**	Screened 6-output tap. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 1.8 dB (862 MHz) / 2.8 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	10/60
142023	**DQC 816**	Screened 8-output tap. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 4 dB (862 MHz) / 4.4 dB (2,400 MHz). With DC pass on trunk line. Class A. +10 dB	10/60
142024	**DQC 820**	Screened 8-output tap. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 2.7 dB (862 MHz) / 3.9 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	10/60
142025	**DQC 824**	Screened 8-output tap. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 1.8 dB (862 MHz) / 2.8 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	10/60

TAPS QuiCoax-F

142030	**DQCF 112**	Screened 1-output tap. Passband: 5–2,400 MHz. Tap loss: 12 dB. Through loss: 1.9 dB (862 MHz) / 3.2 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120
142031	**DQCF 116**	Screened 1-output tap. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 1.5 dB (862 MHz) / 2.4 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120
142032	**DQCF 120**	Screened 1-output tap. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 1 dB (862 MHz) / 2.2 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120
142033	**DQCF 124**	Screened 1-output tap. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 0.8 dB (862 MHz) / 2 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120
142034	**DQCF 212**	Screened 2-output tap. Passband: 5–2,400 MHz. Tap loss: 12 dB. Through loss: 2.2 dB (862 MHz) / 3.5 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120
142035	**DQCF 216**	Screened 2-output tap. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 1.6 dB (862 MHz) / 2.6 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120
142036	**DQCF 220**	Screened 2-output tap. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 1.1 dB (862 MHz) / 2.6 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120

QUICOAXF



DQCF 220



DQCF 416



DQCF 616



PCA 4QC



EB QC



PC QC



BL QC



RQC 6 with AMCD on DIN rail

142037	**DQCF 224**	Screened 2-output tap. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 1 dB (862 MHz) / 2.3 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/120
142038	**DQCF 412**	Screened 4-output tap. Passband: 5–2,400 MHz. Tap loss: 12 dB. Through loss: 3.2 dB (862 MHz) / 4.5 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/80
142039	**DQCF 416**	Screened 4-output tap. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 1.8 dB (862 MHz) / 3.5 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/80
142040	**DQCF 420**	Screened 4-output tap. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 1.5 dB (862 MHz) / 2.1 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/80
142041	**DQCF 424**	Screened 4-output tap. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 1.3 dB (862 MHz) / 2 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	20/80
142042	**DQCF 616**	Screened 6-output tap. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 4 dB (862 MHz) / 4.4 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	10/60
142043	**DQCF 620**	Screened 6-output tap. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 2.7 dB (862 MHz) / 3.9 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	10/60
142044	**DQCF 624**	Screened 6-output tap. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 1.8 dB (862 MHz) / 2.8 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	10/60
142045	**DQCF 816**	Screened 8-output tap. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 4 dB (862 MHz) / 4.4 dB (2,400 MHz). With DC pass on trunk line. Class A. +10 dB	10/60
142046	**DQCF 820**	Screened 8-output tap. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 2.7 dB (862 MHz) / 3.9 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	10/60
142047	**DQCF 824**	Screened 8-output tap. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 1.8 dB (862 MHz) / 2.8 dB (2,400 MHz). With DC pass on trunk line. Class A +10 dB	10/60

COMBINERS QuiCoax

131005	**MQC TS**	QuiCoax series combiner / splitter. 2 inputs: TER-SAT. Through loss: 1 dB (TER) / 1.5 dB (SAT). With DC pass on SAT input. Class A +10 dB	10/120

COMBINERS QuiCoax F

131006	**MQCF TS**	Multi-purpose outdoor QuiCoax / F series combiner/splitter. 2 inputs: TER-SAT. Through loss: 1 dB (TER) / 1.5 dB (SAT). With DC pass on SAT input	10/120

ACCESSORIES QuiCoax

141030	N **EB QC**	Outdoor enclosure for QuiCoax passive devices with up to 4 outputs. Suitable for mast or wall mounting.	10/40
163003	**CQC 75**	QuiCoax 75 Ohm terminating load	25/1000
163008	**CQC 75A**	Isolated QuiCoax 75 Ohm terminating load	25/1000
163004	**AQC F**	QuiCoax male-to-F female adapter	25/1000
167004	**PC QC**	Straight QuiCoax cable stripper, 2 operations	1/50
167007	**PCA 4QC**	Cable stripper for QuiCoax-compatible coaxial cables	1
163006	**BL QC**	Locking device for high-tensile-load requirements	100/1000
059001	**AMCD**	DIN-rail mounting accessory for QuiCoax passive devices	1/1000



TF QC1G



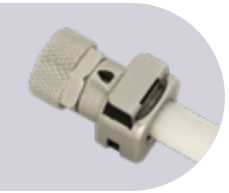




APL



CFQC



Fitting the BL QC locking device to a QuiCoax connector for high tensile-load requirements



RI 2



RF 12 / RT 12



RF 13



RF 16

OUTLET MODULES QuiCoax

145103	E TF QC1G	Terminal outlet module with mounting claws, DATA-TV. Frequency: DATA (5–65 MHz) / FM (88–108 MHz) / TV (120–1,000 MHz). Tap loss: <1 dB (DATA) / <1.5 dB (TV). Quick-insertion cable conductor termination. Class A	10/100
145101	E TF QC3	Terminal outlet module with mounting claws, TV / RD / SAT, with 2 IEC connectors and one F connector. Frequency: TV 5–65 / 120–790 MHz / RD 88–108 MHz / SAT 950–2,400 MHz, with SAT DC pass. Tap loss: <1 dB (TV) / <4 dB RD / <1.5 dB (SAT). QuiCoax connection. Class A	10/100
145105	E APL	Accessory for plasterboard mounting	10/100

QuiCoax CONNECTOR

146001	CFQC	F-type connector with QuiCoax connection. Includes BL QC.	25/500

THE FASTEST AND MOST RELIABLE CONNECTION

Press, insert... and you're done



OUTLET MODULES **TFQC**



Detail of QuiCoax button with inspection window



CONNECTOR **CFQC**



Knurled CFQC head for improved grip



Integrated nut for tightening with a tool

CLASS A SPLITTERS

1 GHz SPLITTER: ANNEX II

141007	RT 12	Class A 2-output splitter. Passband: 5–1,000 MHz. Through loss: 3.8 dB at 1,000 MHz. With DC pass	10/120

5–2,400 MHz SPLITTERS

141006	RI 2	Class A 2-way splitter. Passband: 5–2,400 MHz. Through loss: 3.8 dB (862 MHz) / 4.9 dB (2,400 MHz). With DC pass. Bottom connectors. PMM-compatible (outdoor installation)	10/120
141001	RF 12	Class A 2-output splitter. Passband: 5–2,400 MHz. Through loss: 3.8 dB (862 MHz) / 4.9 dB (2,400 MHz). With DC pass	10/120
141002	RF 13	Class A 3-output splitter. Passband: 5–2,400 MHz. Through loss: 7 dB (862 MHz) / 9.5 dB (2,400 MHz). With DC pass	10/120
141003	RF 14	Class A 4-output splitter. Passband: 5–2,400 MHz. Through loss: 8.1 dB (862 MHz) / 10 dB (2,400 MHz). With DC pass	10/120
141004	RF 16	Class A 6-output splitter. Passband: 5–2,400 MHz. Through loss: 11 dB (862 MHz) / 14.5 dB (2,400 MHz). With DC pass	5/60
141005	RF 18	Class A 8-output splitter. Passband: 5–2,400 MHz. Through loss: 12 dB (862 MHz) / 15.5 dB (2,400 MHz). With DC pass	5/60

CLASS A TAPS



DF 212

142001	**DF 212**	Screened 2-output tap. Passband: 5–2,400 MHz. Tap loss: 12 dB. Through loss: 2.2 dB (862 MHz) / 3.5 dB (2,400 MHz). With DC pass on trunk line. Class A	10/120
142002	**DF 216**	Screened 2-output tap. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 1.6 dB (862 MHz) / 2.6 dB (2,400 MHz). With DC pass on trunk line. Class A	10/120
142003	**DF 220**	Screened 2-output tap. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 1.1 dB (862 MHz) / 2.6 dB (2,400 MHz). With DC pass on trunk line. Class A	10/120
142004	**DF 224**	Screened 2-output tap. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 1 dB (862 MHz) / 2.3 dB (2,400 MHz). With DC pass on trunk line. Class A	10/120



DF 412

142005	**DF 412**	Screened 4-output tap. Passband: 5–2,400 MHz. Tap loss: 12 dB. Through loss: 3.2 dB (862 MHz) / 4.5 dB (2,400 MHz). With DC pass on trunk line. Class A	10/120
142006	**DF 416**	Screened 4-output tap. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 1.8 dB (862 MHz) / 3.5 dB (2,400 MHz). With DC pass on trunk line. Class A	10/120



DF 420

142007	**DF 420**	Screened 4-output tap. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 1.5 dB (862 MHz) / 2.1 dB (2,400 MHz). With DC pass on trunk line. Class A	10/120
142008	**DF 424**	Screened 4-output tap. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 1.3 dB (862 MHz) / 2 dB (2,400 MHz). With DC pass on trunk line. Class A	10/120



DF 816

142009	**DF 816**	Screened 8-output tap. Passband: 5–2,400 MHz. Tap loss: 16 dB. Through loss: 3.8 dB (862 MHz) / 4.9 dB (2,400 MHz). With DC pass on trunk line. Class A	5/60
142010	**DF 820**	Screened 8-output tap. Passband: 5–2,400 MHz. Tap loss: 20 dB. Through loss: 1.9 dB (862 MHz) / 3.2 dB (2,400 MHz). With DC pass on trunk line. Class A	5/60
142011	**DF 824**	Screened 8-output tap. Passband: 5–2,400 MHz. Tap loss: 24 dB. Through loss: 1.4 dB (862 MHz) / 2.1 dB (2,400 MHz). With DC pass on trunk line. Class A	5/60



PAU 4

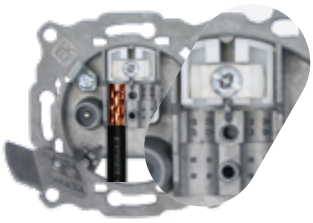
CLASS A PAUs

143001	**PAU 4**	PAU screened 4-output splitter. Passband: 5–2,400 MHz. Through loss: 8.1 dB (862 MHz) / 10 dB (2,400 MHz). With DC pass. Class A	10/120
143003	**PAU 6**	PAU screened 6-output splitter. Passband: 5–2,400 MHz. Through loss: 10.5 dB (862 MHz) / 14.5 dB (2,400 MHz). With DC pass. Class A	5/60
143002	**PAU 8**	PAU screened 8-output splitter. Passband: 5–2,400 MHz. Through loss: 12.5 dB (862 MHz) / 16.5 dB (2,400 MHz). With DC pass. Class A	5/60



PAU 8

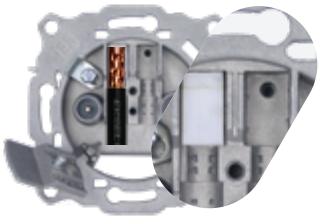
OUTLET MODULES



TF D



TF DW



TF DI



TF DIW-100



SSB



MTB 3

TERMINAL OUTLET WITH TV-SAT FILTER

145001	**TF D**	Terminal outlet module with mounting claws, TV-RD / SAT, with 2 IEC connectors. Frequency: TV-RD / SAT with SAT DC pass. Tap loss: <1 dB (TV-RD) / <1.5 dB (SAT). Cable conductor secured by screw against plastic	10/100
145002	**TF DW**	Terminal outlet module without mounting claws, TV-RD / SAT, with 2 IEC connectors. Frequency: TV-RD / SAT with SAT DC pass. Tap loss: <1 dB (TV-RD) / <1.5 dB (SAT). Cable conductor secured by screw against plastic	10/100

1 GHz TERMINAL OUTLET

145021	**TF 1G**	Terminal outlet module with mounting claws, DATA-TV. Frequency: DATA (5–65 MHz) / FM (88–108 MHz) / TV (120–1,000 MHz). Tap loss: <1 dB (DATA) / <1.5 dB (TV). Securing of the cable conductor by quick insertion. Class A	10/100

TERMINAL OUTLET WITH TV-SAT FILTER AND QUICK INSERTION

145006	**TF DI**	Terminal outlet module with mounting claws, TV-RD / SAT, with 2 IEC connectors. Frequency: TV-RD / SAT with SAT DC pass. Tap loss: <1 dB (TV-RD) / <1.5 dB (SAT). Quick-insertion cable conductor termination	10/100
145007	**TF DIW**	Terminal outlet module without mounting claws, TV-RD / SAT, with 2 IEC connectors. Frequency: TV-RD / SAT with SAT DC pass. Tap loss: <1 dB (TV-RD) / <1.5 dB (SAT). Quick-insertion cable conductor termination	10/100
145009	**TF DIW-100**	Terminal outlet module without mounting claws, TV-RD / SAT, with 2 IEC connectors. Frequency: TV-RD / SAT with SAT DC pass. Tap loss: <1 dB (TV-RD) / <1.5 dB (SAT). Quick-insertion cable conductor termination	100

CASCADEABLE LOW-LOSS OUTLET WITH TV-SAT FILTER, COMPATIBLE WITH TU SERIES

145008	**TCI-5**	Through outlet module with mounting claws and 2 IEC TV / SAT connectors. Frequency: TV-RD / SAT with SAT DC pass. Tap loss: <5 dB (TV-RD) / <6 dB (SAT). Through loss: <5.5 dB. Quick-insertion cable conductor termination	10/100

UNIVERSAL CASCADEABLE TV-SAT / TV-SAT

145003	**TU F4**	End-of-cascade outlet module with mounting claws and 2 universal IEC TV-RD-SAT connectors. Frequency: 5–2,400 MHz. Tap loss: <3 dB (TV-RD) / <4 dB (SAT). Cable conductor secured by screw against plastic	10/100
145004	**TU C10**	Through outlet module with mounting claws and 2 universal IEC TV-RD-SAT connectors. Frequency: 5–2,400 MHz. Tap loss: 10 dB (TV-RD) / 12 dB (SAT). Through loss: <2.9 dB (TV-RD) / <3.2 dB (SAT). DC pass. Cable conductor secured by screw against plastic	10/100
145005	**TU C15**	Through outlet module with mounting claws and 2 universal IEC TV-RD-SAT connectors. Frequency: 5–2,400 MHz. Tap loss: 13 dB (TV-RD) / 15 dB (SAT). Through loss: <2.9 dB (TV-RD) / <3.2 dB (SAT). DC pass. Cable conductor secured by screw against plastic	10/100

OUTLET ACCESSORIES

144003	**MTB**	2-connector outlet faceplate. White	10/200
144004	**SSB**	Surface-mount outlet spacer. White	10/100
144008	**MTB 3**	3-connector outlet faceplate. White	20/200

EK ROLLER-COMPATIBLE COAXIAL CABLES



EKROLLERXL

Ek ROLLER XL

Watch the video demonstration of the Ek ROLLER XL

EKROLLERXL N

NEW PATENTED CABLE DISPENSER

EK Roller XL is the new patented cable dispenser from ADALTRA. A versatile system for unwinding and rewinding coaxial cables, LAN cable, patch cords and fibre-optic PAUs. It is also compatible with the new pre-wired corrugated conduits. One device compatible with different formats:

/ Small cardboard reels

/ Wooden reels up to 500 m

/ 100 m reels of pre-wired corrugated conduit (coaxial and LAN)

/ Fibre-optic PAUs and patch cords



EK ROLLER

151062	**EK ROLLER+**	Device for unwinding / rewinding coaxial cables compatible with Ek roller using an accessory	1
151074	**N EK ROLLER XL**	Device for unwinding / rewinding cables, "PROFESSIONAL"	1

EKROLLERXL



CLASS A E_{ca}

CCR 596-150

EKROLLERXL



CLASS A $F_{ca/PE}$

CCR 128 N

EKROLLERXL



CLASS A $F_{ca/PE}$

CCR 11T

EKROLLERXL



CLASS A D_{ca}

CCR 96D

CCR 96D-250



HANDLE FOR Ek ROLLER REELS

CCS CONDUCTOR, AL FOIL AND BRAID FOR SMATV EK ROLLER

151048	**CCR 596-150**	Coaxial cable, diameter 5.0 mm. 96 strands. CCS conductor: 0.8 mm. Screening effectiveness: 90 dB / Class A. Attenuation: 25.2 dB (862 MHz) / 39.9 dB (2,150 MHz). White PVC jacket. CPR Eca. 150 m cardboard reel for Ek ROLLER	600 10.800 21.600
151070	**CCR 128D**	Coaxial cable, diameter 6.9 mm. 128 strands. CCS conductor: 1.13 mm. Screening effectiveness: 90 dB / Class A. Attenuation: 17.5 dB (862 MHz) / 28.5 dB (2,150 MHz). White PVC jacket. CPR Dca. 100 m cardboard reel for Ek ROLLER	400 7200 14400
151052	**CCR 128 N**	Coaxial cable, diameter 6.8 mm. 128 strands. CCS conductor: 1.13 mm. Screening effectiveness: 90 dB / Class A. Attenuation: 17.5 dB (862 MHz) / 28.5 dB (2,150 MHz). Black PE jacket. 100 m cardboard reel for Ek ROLLER	400 7200 14400

TRISHIELD CCS CONDUCTOR, AL FOIL AND BRAID FOR CATV EK ROLLER

151054	**CCR 11T**	Tri-shield coaxial cable, diameter 10.16 mm. 128 strands. CCS conductor: 1.63 mm. Screening effectiveness: 110 dB / Class A+. Attenuation: 11.9 dB (862 MHz) / 19.8 dB (2,150 MHz). Black PE jacket. 300 m wooden reel for Ek ROLLER	300 7200

CU CONDUCTOR, CCA FOIL AND BRAID / CPR Dca FOR SMATV EK ROLLER

151049	**CCR 596 CU-150**	Coaxial cable, diameter 5.0 mm. 96 strands. CU conductor: 0.8 mm. Screening effectiveness: 90 dB / Class A. Attenuation: 25.2 dB (862 MHz) / 39.9 dB (2,150 MHz). White PVC jacket. CPR Dca. 150 m cardboard reel for Ek ROLLER	600 10.800 21.600

EKROLLERXL



CLASS A D_{ca}

CCR 96G+D

CCR 96G+D 250

EKROLLERXL



CLASS A $F_{ca/PE}$

CCR 96N+

CCR 96N+ 250

EKROLLERXL



CLASS A D_{ca}

CCR 11 CU

CCR 11 CUD

EKROLLERXL



CLASS A D_{ca}

CCR 112P-D-250

PUBLIC TENDERING

EKROLLERXL



CLASS A C_{ca}

CCR 96+ C

CCR 11 CU C

CU CONDUCTOR, CU-PE FOIL AND CCA BRAID / CPR Dca EK ROLLER

151039	**CCR 96D**	Coaxial cable, diameter 6.8 mm. 96 strands. CU conductor: 1.02 mm. Screening effectiveness: 85 dB / Class A. Attenuation: 17.9 dB (862 MHz) / 29.6 dB (2,150 MHz). White LSZH jacket. CPR Dca. 100 m cardboard reel for Ek ROLLER	400 7200 14400
151040	**CCR 96D-250**	Coaxial cable, diameter 6.8 mm. 96 strands. CU conductor: 1.02 mm. Screening effectiveness: 85 dB / Class A. Attenuation: 17.9 dB (862 MHz) / 29.6 dB (2,150 MHz). White LSZH jacket. CPR Dca. 250 m wooden reel for Ek ROLLER	250 9.000 18.000
151041	**CCR 96N**	Coaxial cable, diameter 6.8 mm. 96 strands. CU conductor: 1.02 mm. Screening effectiveness: 85 dB / Class A. Attenuation: 17.9 dB (862 MHz) / 29.6 dB (2,150 MHz). Black PE jacket. 100 m cardboard reel for Ek ROLLER	400 7200 14400
151057	**CCR 96N-250**	Coaxial cable, diameter 6.8 mm. 96 strands. CU conductor: 1.02 mm. Screening effectiveness: 85 dB / Class A. Attenuation: 17.9 dB (862 MHz) / 29.6 dB (2,150 MHz). Black PE jacket. 250 m wooden reel for Ek ROLLER	250 9.000 18.000
151042	**CCR 96+D**	Coaxial cable, diameter 6.8 mm. 96 strands. CU conductor: 1.13 mm. Screening effectiveness: 85 dB / Class A. Attenuation: 17.4 dB (862 MHz) / 28.9 dB (2,150 MHz). White LSZH jacket. CPR Dca. 100 m cardboard reel for Ek ROLLER	400 7200 14400
151044	**CCR 96+D-250**	Coaxial cable, diameter 6.8 mm. 96 strands. CU conductor: 1.13 mm. Screening effectiveness: 85 dB / Class A. Attenuation: 17.4 dB (862 MHz) / 28.9 dB (2,150 MHz). White LSZH jacket. CPR Dca. 250 m wooden reel for Ek ROLLER	250 9.000 18.000
151043	**CCR 96G+D**	Coaxial cable, diameter 6.8 mm. 96 strands. CU conductor: 1.13 mm. Screening effectiveness: 85 dB / Class A. Attenuation: 17.4 dB (862 MHz) / 28.9 dB (2,150 MHz). Grey LSZH jacket. CPR Dca. 100 m cardboard reel for Ek ROLLER	400 7200 14400
151045	**CCR 96G+D-250**	Coaxial cable, diameter 6.8 mm. 96 strands. CU conductor: 1.13 mm. Screening effectiveness: 85 dB / Class A. Attenuation: 17.4 dB (862 MHz) / 28.9 dB (2,150 MHz). Grey LSZH jacket. CPR Dca. 250 m wooden reel for Ek ROLLER	250 9.000 18.000
151046	**CCR 96N+**	Coaxial cable, diameter 6.8 mm. 96 strands. CU conductor: 1.13 mm. Screening effectiveness: 85 dB / Class A. Attenuation: 17.4 dB (862 MHz) / 28.9 dB (2,150 MHz). Black PE jacket. 100 m cardboard reel for Ek ROLLER	400 7200 14400
151058	**CCR 96N+ 250**	Coaxial cable, diameter 6.8 mm. 96 strands. CU conductor: 1.13 mm. Screening effectiveness: 85 dB / Class A. Attenuation: 17.4 dB (862 MHz) / 28.9 dB (2,150 MHz). Black PE jacket. 250 m wooden reel for Ek ROLLER	250 9.000 18.000
151055	**CCR 11 CU**	Coaxial cable, diameter 10.03 mm. 128 strands. CU conductor: 1.63 mm. Screening effectiveness: 90 dB / Class A. Attenuation: 11.9 dB (862 MHz) / 19.8 dB (2,150 MHz). Black PE jacket. 300 m wooden reel for Ek ROLLER	300 7200
151056	**CCR 11 CU D**	Coaxial cable, diameter 10.03 mm. 128 strands. CU conductor: 1.63 mm. Screening effectiveness: 90 dB / Class A. Attenuation: 11.9 dB (862 MHz) / 19.8 dB (2,150 MHz). White LSZH jacket. CPR Dca. 300 m wooden reel for Ek ROLLER	300 7200

SPECIAL ANNEX II / CPR Dca

151051	**CCR 112P-D-250**	Coaxial cable, diameter 6.8 mm. 112 strands. CCS conductor: 1.02 mm. Screening effectiveness: 90 dB / Class A. Attenuation: 17.9 dB (862 MHz) / 29.6 dB (2,150 MHz). Foil bonded to the dielectric. White LSZH jacket. CPR Dca. 250 m wooden reel for Ek ROLLER	250 9.000 18.000

PUBLIC-ACCESS PREMISES: CU CONDUCTOR, CU-PE FOIL AND CCA BRAID / CPR Cca EK ROLLER

151071	**CCR 96+ C**	Coaxial cable, diameter 6.8 mm. 96 strands. CU conductor: 1.13 mm. Screening effectiveness: 85 dB / Class A. Attenuation: 17.4 dB (862 MHz) / 28.9 dB (2,150 MHz). White LSZH jacket. CPR Cca. 100 m cardboard reel for Ek ROLLER	400 7200 14400
151072	**CCR 11 CU C**	Coaxial cable, diameter 10.03 mm. 128 strands. CU conductor: 1.63 mm. Screening effectiveness: 90 dB / Class A. Attenuation: 11.9 dB (862 MHz) / 19.8 dB (2,150 MHz). White LSZH jacket. CPR Cca. 300 m wooden reel for Ek ROLLER	300 7200



CLASS A D_{ca}

CCR 96D TC

CLUR 6CUD TC



CCR 96D TC · CLUR 6CUD TC + EK ROLLER XL

Watch the video demonstration of the Ek ROLLER XL



CFR 5 EK



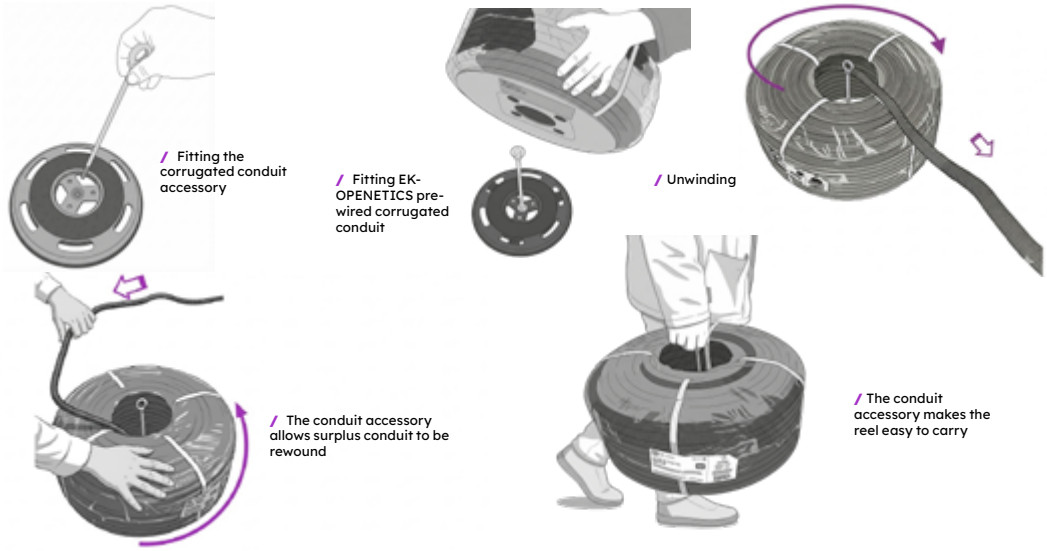
CFR 6 EK

CABLES IN CONDUIT

151073	**CCR 96D TC**	CCR 96D CPR Dca coaxial cable in corrugated conduit Ø 20 mm 320 N for ICT	100/ 4000
390029	**CLUR 6CUD TC**	CLUR 6CUD LAN cable in Ø 20 mm 320 N corrugated PVC conduit for ICT	100/ 4000

NEW CONDUITS CORRUGATED, SUITABLE FOR EKROLLERXL

For use with the corrugated-conduit accessory

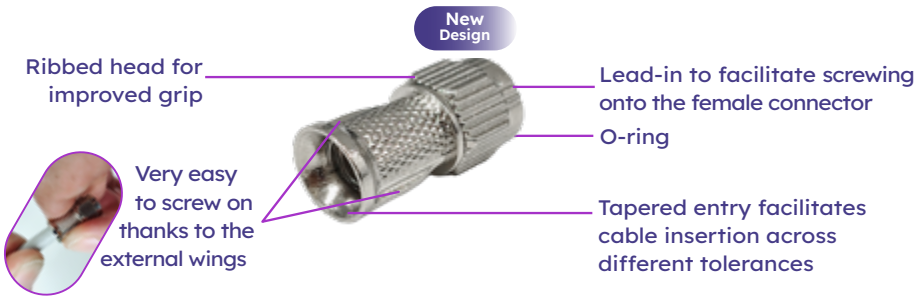


CONNECTORS AND ACCESSORIES

THREADED F-TYPE WITH WINGS

162017	**CFR 5 EK**	Threaded male F connector with wings and ring for 4.8–5.2 mm cable	50/2000
162015	**CFR 6 EK**	Threaded male F connector with wings and ring for cable 6.6–7.3 mm	50/2000
162020	**CFR 6 EK-B**	Threaded male F connector with wings and ring for cable 6.6–7.3 mm. Supplied in a plastic tub	100/2000

Discover the benefits of the patented CFR 5 EK and CFR 6 EK connectors





EKEY



Ek DRIVER



EK DRIVER SLEEVE

Watch the video demonstrating Ekey and Ek DRIVER



CFR 11



CCP 6



CCP 11

CLASSA++



C95M EK



C95H EK

ACCESSORIES FOR THREADED CONNECTORS WITH WINGS

167005	**EKEY**	Special spanner for CFR EK connectors. Can be used independently or with EK DRIVER	1/25
167006	**EK DRIVER**	Automatic screwdriver with bits and accessories. Includes EKEY	1/32

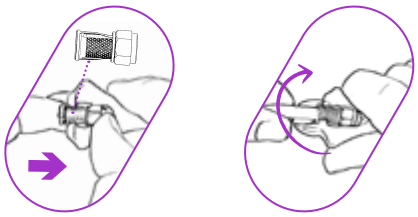
EKey is an exclusive EK tool designed to make it even easier to fit F-type connectors, references CFR6EK and CFR5EK (patented). EKey has two large ergonomically designed wings that fit the installer's hand and make fitting comfortable. EKey's most innovative feature, however, is its compatibility with electric drills and screwdrivers, including the **EKDriver**, enabling virtually instantaneous, effortless connector installation. EKey can apply much greater tightening force than a conventional screw-on connector and even enables installation on larger-diameter cables such as trishield cables (CC3S).

As an additional feature and the perfect aid for installers, EKey incorporates an 11 mm open-ended spanner for F connectors. Unlike metal open-ended spanners, which can damage equipment if excessive force is applied, EKey is made from high-strength nylon and its flexibility provides simple, effective tightening-torque control.

EKDriver is an electric screwdriver specially designed for use with the **EKey** for fitting F-type connectors, references CFR6EK and CFR5EK. Its ergonomic design and size are similar to a conventional screwdriver, making it ideal for every installer's toolbox. It is compatible with standard 6 mm hex bits and is supplied in a complete case with charger, bit set and EKey wrench.

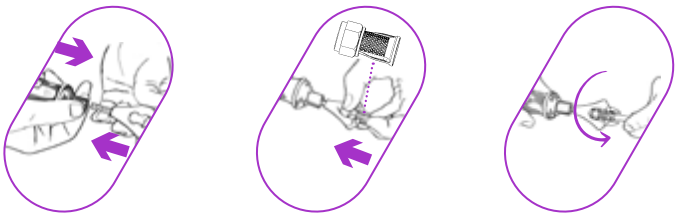
INSTALLING CFR 5 EK / CFR 6 EK CONNECTORS WITH EKEY

Ekey used by hand



Ekey used with Ekdriver*

*Power drills may be used at low speed



THREADED F-TYPE

161006	**CFR 11**	Threaded male F connector with ring for 11 mm cable (CC 11)	50/400

F-TYPE COMPRESSION

168001	**CCP 6**	Male compression F connector for 7 mm cable. Compatible with CC 96, CC 128 and CC 3S cables	250/ 1000
168002	**CCP 11**	Male compression F connector for 11 mm cable. ΩCompatible with CC 11 cable	50/400

IEC TYPE, CLASS A++ SCREENING

162018	**C95M EK**	9.5 mm right-angle male IEC connector for 6.6–6.9 mm cable (CC 128 / CC 3S). Quick push-fit connection. The first right-angle metal connector on the market manufactured from a single block of zamak. Patented EK design providing Class A++ screening effectiveness	25/1000
162012	**C 95 M49**	9.5 mm right-angle male IEC connector for 4.7–5.1 mm cable. (CC 596). Quick push-fit connection. The first right-angle metal connector on the market manufactured from a single block of zamak. Patented EK design providing Class A++ screening effectiveness	25/1000
162013	**C 95 H49**	9.5 mm right-angle female IEC connector for cable 4,7-5,1mm. (CC 596). Quick push-fit connection. The first right-angle metal connector on the market manufactured from a single block of zamak. Patented EK design providing Class A++ screening effectiveness	25/1000

CLASSA++



C 95 M49 · C 95 H49



C 95P-M



C 95P-H



CF 2150



CF 2150 A



AFF



AFI



AFI 90



RFF



PTV

01 Patented design

02 Simple, quick, safe, tool-free installat

03 Class A++ screening (105 dB)

04 High level of protection against interference (4G and 5G)

05 Cable conductor secured by clamp

06 High strength and high durability

BASIC IEC TYPE

162008	**C 95P-M**	9.5 mm right-angle male IEC connector for 6.6–7.0 mm cable. (CC 112 / CC 96 / CC3S). Screw connection	25/250
162009	**C 95P-H**	9.5 mm right-angle female IEC connector for 6.6–7.0 mm cable. (CC 112 / CC 96 / CC3S). Screw connection	25/250

QUICK-CONNECT F-TYPE, 90° RIGHT-ANGLE

161002	**CF 90**	Class A right-angle male F connector for 6.9–7.3 mm cable. (CCR 128D). Quick push-fit connection	36/432
161009	**CF 90 - 6**	Class A right-angle male F connector for 6.6–6.9 mm cable. (CC 112 / CC 96 / CC 128). Quick push-fit connection	36/432

F-TYPE TERMINATING LOADS

163001	**CF 2150**	Terminating load F 75 ohm	25/200
163002	**CF 2150 A**	Isolated terminating load F 75 ohm	25/200

ADAPTERS

165001	**AFF**	Female F / female F adapter	25/250
165006	**FFQ**	Female F / quick-connect male F adapter	25/250
165002	**AFI**	Female F / male IEC adapter	25/200
165012	**AFI H**	Female F / female IEC adapter	25/200
165005	**AFI 90**	Female F / right-angle male IEC adapter	25/200
165007	**IEC MM**	Male IEC / male IEC adapter	25/250
165008	**IEC HH**	Female IEC / female IEC adapter	25/250
166001	**RFF**	2-output splitter	10/400

ATTENUATOR

164002	**ATS**	Variable attenuator with F connector. Frequency: 45–2,300 MHz. Attenuation range: 0–20 dB. With DC pass	1/30

IEC PATCH CORDS

169001	**PTV**	Male IEC / female IEC extension lead. Class A. 1.5 metres	1/200

TOOLS

167001	**PCA**	Cable stripper for coaxial cables.	1/25
167007	**PCA 4QC**	Cable stripper for QuiCoax-compatible coaxial cables	1
167004	**PC QC**	Straight QuiCoax cable stripper, 2 operations	1/50
167002	**MCP 511**	Compression pliers for CCP 6 and CCP 11	1/10
167003	**HT 3**	Compression connector fitting and cutting tool	1/25
210005	**LCF**	Plastic spanner for F connector	1/50

CLASS A++ IEC CONNECTORS
EXCEEDING YOUR EXPECTATIONS

EK presents the first angled metal connector on the market manufactured from a single block of zamak. This range of angled 9.5 mm IEC connectors is manufactured as a single piece with no openings and continuous screening. This EK-patented design gives them the highest screening effectiveness on the market (Class A++).



ICT INSTALLATION



Discover the outdoor UHF antenna EKBLUE



Discover all the benefits of the system QUICOAX



Discover all compatible coaxial cables



Discover how to connect the CFR 6 EK step by step

UHF
FM
DAB
SAT
TER + SAT 1
TER + SAT 2
TER

EK BLUE
013023

M 250 + KVT
025015 + 025024

DAB 1
012001

FM 1
011001

ODS 82 + DRO 10G
021047 + 022017

GTP
025017

SS 60
025007

ODS 82 + DRO 10G
021047 + 022017

SP 40F
025011



Displays channels with their input and output levels

NOVUS PRO ICT
071021

5 years EXTENDED WARRANTY

MAD 382 L2
170006

CFR 6 EK
162015

MQC TS
131005

Dwelling 1*
Dwelling 2*
DQC 424
142019
Dwelling 3*
Dwelling 4*

3rd floor

Dwelling 1*
DQC 420
142018
Dwelling 3*

*How is a dwelling connected?

Dwelling 2*
RQC 8
141018
x8
TF DIW
145007
PAU EXT
163005

Dwelling 4*
TF DIW
145007
x4
RQC 4
141016
PAU EXT
163005

2nd floor

Dwelling 1*
Dwelling 2*
DQC 416
142017
Dwelling 3*
Dwelling 4*

1st floor

Dwelling 1*
Dwelling 2*
DQC 412
142016
Dwelling 3*
Dwelling 4*

Ground floor

CQC 75
163003



Scan the QR codes and see our products in action.

02

EKSELANS / ADALTRA

FIBER AND DATA





RP FO



ARP



BF 48 C



Heavy-duty sliding rack shelf



05619





KJ C6 HQ





SC KJ M FF KJ



RS 8-12



RS 24-12

OPTICAL TRANSMITTERS, EDFAs, RECEIVERS AND SPLITTERS

See full ranges in FAMILY 06 CATV / HFC OPTICAL TRANSMISSION - RECEPTION **p. 53**

RACKS AND ACCESSORIES

MULTI-OPERATOR CABINET FOR MAIN DISTRIBUTION ENCLOSURE - RITI

396012	**RP FO**	Two-zone cabinet for 48 SC/APC adapters. 2 trays for up to 48 splices. 2 doors with separate keys	1/4
396016	**ARP**	Panel with 16 fitted SC/APC adapters for RP FO	1/50

FRAMES AND RACKS FOR MAIN DISTRIBUTION ENCLOSURE - RITI *

396013	E **R6UD**	19-inch 6U wall-mount rack. 370 × 600 × 450 mm, supplied flat-packed	1
396014	E **R9UD**	19-inch 9U wall-mount rack. 500 × 600 × 450 mm, supplied flat-packed	1

Enquire about the full range of OPENETICS on p. 111

SLIDING FIBRE TRAYS FOR RITI *

361012	**BF 24 C**	24-port sliding tray with 24 simplex SC/APC adapters with dust caps. Adapters fitted. 1U	1/5
361013	**BF 48 C**	48-port sliding tray with 24 duplex SC/APC adapters with dust caps. Adapters fitted. 1U	1/5
361018	**BF 24 E**	24-port sliding tray with 24 fitted simplex SC/APC adapters. Fibre identification. Dust cap. 1U	1/5
361019	**BF 48 E**	48-port sliding tray with 24 duplex SC/APC adapters. Fibre identification. Dust cap. 1U	1/5

Enquire about the full range of OPENETICS on p. 143

DATA PANELS AND KEYSTONE JACKS FOR RITI *

05619	**05619**	Unloaded 24-port data patch panel for 19-inch rack. 1U	1/10
393022	**KJ C6 HQ**	Tool-free Cat. 6 UTP keystone jack / female connector, wing-nut type.	1/100
5847	**5847**	RJ45 Cat. 6 UTP keystone jack, 90°/180° slim, white [compatible with tools Ref. 22193 and 22194]	25
5825	**5825**	RJ45 Cat. 6 UTP keystone jack, 180° slim tool-free, white	25
5826	**5826**	RJ45 Cat. 6 UTP keystone jack, 180° slim tool-free, black	25
51510	**51510**	SC/APC adapter with dust cap, fitted in adapter for data patch panel	50/1000
393011	E **FF KJ**	Bracket with FF adapter for data patch panel	25

Enquire about the full range of OPENETICS on p. 101

SECONDARY DISTRIBUTION ENCLOSURES

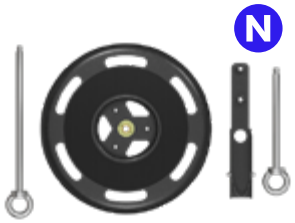
361031	**RS 4**	Secondary distribution enclosure for 4 connectorised or spliced fibres. SC/APC adapters not included	1/10
361032	**RS 8-12**	Secondary distribution enclosure for 8 connectorised fibres or 12 spliced fibres. SC/APC adapters not included	1/10
361041	**RS 24-12**	Secondary distribution enclosure for up to 12 connectorised fibres or 24 spliced fibres. SC/APC adapters not included	1/20
361042	**ARS 12**	Panel with 12 fitted SC/APC adapters for RS 24-12	1/20
396023	**RP FO P**	Two-zone plastic cabinet for 48 SC/APC adapters. 4 trays for up to 48 splices. 2 doors	1/6
7645	**7645**	Network termination enclosure, 60 × 50 × 8 cm. With a hinge system	1



RP FO P



7630

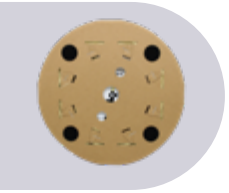


EKROLLERXL PATENTADO

Watch the video demonstration of the Ek ROLLER



Cardboard reel with Ek ROLLER + system



Mounting system for Ek ROLLER +



Ek ROLLER + with special accessory for easier unwinding

7630	**7630**	Secondary distribution enclosure, 45 × 45 × 15 cm. With a hinge system	1
7644	**7644**	Secondary distribution enclosure, 70 × 50 × 15 cm. With a hinge system	1
7671	**7671**	Secondary distribution enclosure, 55 × 100 × 15 cm. With a hinge system	1

PAUS - PIGTAIL / PATCH CORD KITS COMPATIBLE WITH EK ROLLER

EK ROLLER

151062	**EK ROLLER+**	Device for unwinding / rewinding PFR fibre PAUs compatible with Ek Roller. Includes accessory	1
151074	N **EK ROLLER XL**	Device for unwinding / rewinding cables, "PROFESSIONAL"	1

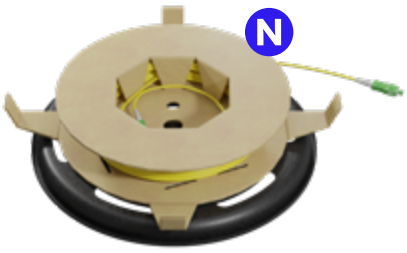
EKROLLERXL N

Ek Roller is a cable dispenser concept patented by EK that offers unique benefits in the market. Its low weight and compact size mean it can be stored in a toolbox and is easy to handle in any situation or environment. It allows optical-fibre PAU boxes to rotate on their own axis, making them easier to unwind. Its robust steel construction also supports both light reels weighing less than 1 kg and reels weighing more than 30 kg.

- / The quick-mounting system for the reel or fibre PAU box allows reels to be changed easily and without tools in just two seconds.
- / EKRoller not only allows the cable to be unwound simply by pulling it, but also makes the tedious task of rewinding surplus cable at the end of the installation much easier.
- / EK reels compatible with Ek Roller also feature an innovative system
- / Includes an accessory that adds weight to optimise the rotation of light reels or reels with little cable. It is optimised for the PFR and PCR PAU range and can also be used with other compatible light reels with EK Roller.

CPR Dca PAUS COMPATIBLE WITH EK ROLLER

361111	**PFR 10DT**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 10 m pigtail with pulling system. CPR Dca	1/16
361112	**PFR 15DT**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 15 m pigtail with pulling system. CPR Dca	1/16
361113	**PFR 20DT**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 20 m pigtail with pulling system. CPR Dca	1/16
361114	**PFR 25DT**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 25 m pigtail with pulling system. CPR Dca	1/16
361115	**PFR 30DT**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 30 m pigtail with pulling system. CPR Dca	1/16
361134	N **PFR 35DT**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 35 m pigtail with pulling system. CPR Dca	1/16
361135	N **PFR 40DT**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 40 m pigtail with pulling system. CPR Dca	1/16
361136	N **PFR 45DT**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 45 m pigtail with pulling system. CPR Dca	1/16
361116	**PFR 50DT**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 50 m pigtail with pulling system. CPR Dca	1/16
361137	N **PFR 60DT**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 60 m pigtail with pulling system. CPR Dca	1/16
361117	**PFR 70DT**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 70 m pigtail with pulling system. CPR Dca	1/16
361138	N **PFR 85DT**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 80 m pigtail with pulling system. CPR Dca	1/16
361129	**PFR 100DT**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 100 m pigtail with pulling system. CPR Dca	1/16

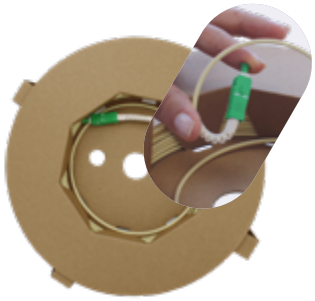


EKROLLERXL
PATENTADO

PCR XX FEK installed on EK ROLLER XL

PAUS – CONNECTORISED PATCH CORD KITS / CPR Dca COMPATIBLE WITH EK ROLLER

361131	**PFR 10 DEK**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and connectorised 2-fibre 10 m patch cord with pulling system. CPR Dca	1/16
361139	**PFR 15 DEK**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and connectorised 2-fibre 15 m patch cord with pulling system. CPR Dca	1/16
361118	**PFR 20 DEK**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and connectorised 2-fibre 20 m patch cord with pulling system. CPR Dca	1/16
361119	**PFR 25 DEK**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and connectorised 2-fibre 25 m patch cord with pulling system. CPR Dca	1/16
361120	**PFR 30 DEK**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and connectorised 2-fibre 30 m patch cord with pulling system. CPR Dca	1/16
361132	**PFR 40 DEK**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and connectorised 2-fibre 40 m patch cord with pulling system. CPR Dca	1/16
361121	**PFR 50 DEK**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and connectorised 2-fibre 50 m patch cord with pulling system. CPR Dca	1/16
361133	**PFR 60 DEK**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and connectorised 2-fibre 50 m patch cord with pulling system. CPR Dca	1/16
361122	**PFR 70 DEK**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and connectorised 2-fibre 70 m patch cord with pulling system. CPR Dca	1/16
361140	**PFR 85 DEK**	Optical-fibre PAU with 2 SC/APC adapters with dust caps and connectorised 2-fibre 85 m patch cord with pulling system. CPR Dca	1/16



PCR XX FEK

PATCH CORDS WITH FLEXIBLE CONNECTORS / FIBRE BAT / CPR Dca EK ROLLER

361126	**PCR 12 FEK**	G657-A2 3 mm patch cord with flexible SC/APC connectors. Length 12 m. With pulling system at one end	1/16
361127	**PCR 18 FEK**	G657-A2 3 mm patch cord with flexible SC/APC connectors. Length 18 m. With pulling system at one end	1/16
361128	**PCR 24 FEK**	G657-A2 3 mm patch cord with flexible SC/APC connectors. Length 24 m. With pulling system at one end	1/16
51510	**51510**	SC/APC adapter with dust cap, fitted in adapter for data patch panel	50/1000

Enquire about the full range of OPENETICS on p. 132



PC SA P-200

3 mm FIBRE PATCH CORDS

362002	**PC SA 25**	3 mm SM fibre patch cord with SC/APC connectors. Length 25 cm	1/250
362001	**PC SA 100**	3 mm SM fibre patch cord with SC/APC connectors. Length 1 m	1/250
362004	**PC SA P-200**	3 mm patch cord with flexible SC/APC connectors. Length 2 m	1/250
5182/10	**5182/10**	OS2 [9/125 µm] SC/APC 3 mm simplex Dca patch cord 10 m	1
5182/15	**5182/15**	OS2 [9/125 µm] SC/APC 3 mm simplex Dca patch cord 15 m	1
5182/20	**5182/20**	OS2 [9/125 µm] SC/APC 3 mm simplex Dca patch cord 20 m	1
5182/25	**5182/25**	OS2 [9/125 µm] SC/APC 3 mm simplex Dca patch cord 25 m	1



5182/XX

Enquire about the full range of OPENETICS on p. 132

0.9 mm FIBRE PIGTAILS

50568/1.5	**50568/1.5**	OS2 pigtail [9/125 µm], SC/APC, 1.5 m	1

Enquire about the full range of OPENETICS on p. 135

FIBRE AND DATA OUTLETS, CABLES AND ACCESSORIES

OUTLETS WITH 2 FITTED PIGTAILS

361104	**RT 2 A PT**	Fibre termination outlet with two SC/APC adapters with dust caps and 2 spliceable pigtails	1/80



RT 2 A PT



MP 18



External wall-mounting flanges for greater convenience



SW8 P





56040 56041





KJ C6 HQ





RJ 45 C6 · RJ45U C6A



HCC RJ45



49823



49827

EMPTY OUTLETS AND FIBRE ADAPTERS / FIBRE BAT

361101	**RT FO**	Fibre termination outlet for SC/APC adapters. Adapters not included. Compatible with universal flush-mount boxes	1/25
50506	**50506**	OS2 SC/SC simplex bulkhead adapter, APC polish, with mounting flanges	1
50513	**50513**	OS2 SC/SC simplex bulkhead adapter with APC polish, mounting flanges and dust cap	25/2000
363011	OP **TP AD S**	Blanking plug for unused hole (when using a single adapter) in RT FO	100

TELEPHONE MULTIPLEXER AND SWITCH FOR PAU

399001	**MP 18**	Passive Cat. 6 telephone multiplexer, 1 input - 8 outputs, with removable cable. Includes removable RJ 11 / RJ 45 cable	1/16
334103	**SW8 P**	8-port 10/100/1000 Ethernet switch. Plastic housing	1/50

Enquire about the full range of OPENETICS on p. 134

DATA OUTLETS AND CONNECTORS

56040	**56040**	Outlet with dust cap for 1 keystone jack	1
56041	**56041**	Double outlet with dust cap for 2 keystone jacks	1
393022	**KJ C6 HQ**	Tool-free Cat. 6 UTP keystone jack / female connector, wing-nut type.	1/100
393003	OP E **RJ45 C6**	Quick-connect male RJ45 Cat. 6 UTP connector	10/1000
393008	OP **RJ 45U C6A**	Quick-connect male RJ45 Cat. 6A UTP connector	10/1000
393004	OP **C RJ45**	White boot for male RJ45 connectors	10/250
393010	OP **C RJ45 Y**	Yellow boot for male RJ45 connectors	10/3000
393013	OP **C RJ45 R**	Red boot for male RJ45 connectors	10/3000

Enquire about the full range of OPENETICS on p. 99

TOOLS

394003	OP **HCC RJ45**	Tool for quick-connect RJ45 connectors	1/20

FIBRE CABLES / CPR Dca*

49825	**49825**	Dielectric fibre-optic cable with 24 tight-buffered SM fibres, multi-tube (2 fibres × 12 tubes), 900 µm LSZH Dca s2 d2 a2, yellow jacket, G-657A2	1
49826	**49826**	Dielectric fibre-optic cable with 48 tight-buffered SM fibres, multi-tube (2 fibres × 24 tubes), 900 µm LSZH Dca s2 d2 a2, yellow jacket, G-657A2	1
360007	OP **CFC**	Cable or fibre cutting service. Includes reel	1

Enquire about the full range of OPENETICS on p. 131

DIELECTRIC TIGHT-BUFFERED FIBRE-OPTIC CABLES [9/125 µm]

49823	**49823**	Dielectric fibre-optic cable [9/125 µm] with 2 tight-buffered fibres, Dca, s2, d2, a1, yellow jacket, G-657A2 (505 m box). NOT compatible with EK ROLLER	505
49827	**49827**	Dielectric fibre-optic cable with 2 SM fibres, 900 µm, Fca, for outdoor use, black jacket, G-657A2 FR-LSZH-UV (505 m box)	505



CLASS A D_{ca}

CCR 96D TC

CLUR 6CUD TC

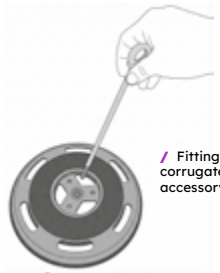
CABLES IN CONDUIT			
151073	CCR 96D TC	CCR 96D CPR Dca coaxial cable in corrugated conduit Ø 20 mm 320 N for ICT	100/ 4000
390029	CLUR 6CUD TC	CLUR 6CUD LAN cable in Ø 20 mm 320 N corrugated PVC conduit for ICT	100/ 4000

NEW CONDUITS CORRUGATED, SUITABLE FOR EKROLLERXL

For use with the corrugated-conduit accessory



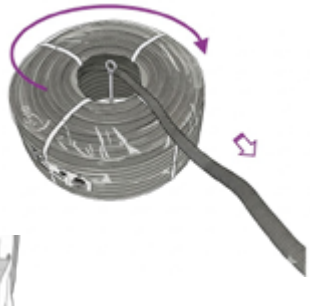
CCR 96D TC · CLUR 6CUD TC + EK ROLLER XL



/ Fitting the corrugated conduit accessory



/ Fitting EK-OPENETICS pre-wired corrugated conduit



/ Unwinding



/ The conduit accessory allows surplus conduit to be rewound

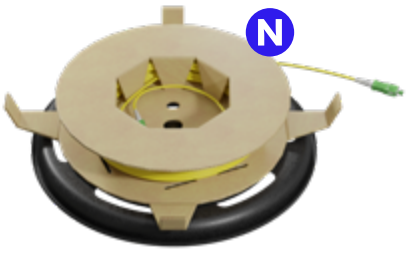


/ The conduit accessory makes the reel easy to carry

Watch the video demonstration of the Ek ROLLER

POSITIONING THE EKROLLERXL ON THE WALL

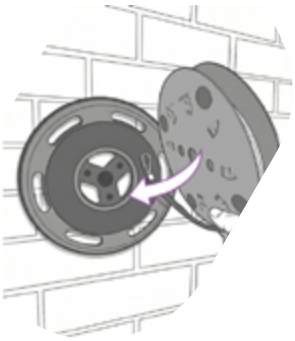
Only for lightweight cardboard reels such as our PAUs and patch cords



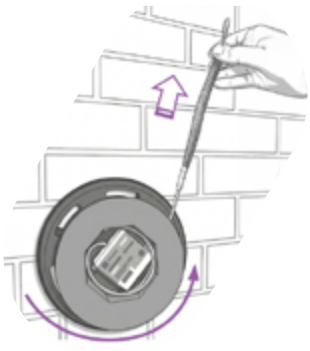
New PAUs compatible with EKROLLERXL



/ Screwed to the wall



/ Positioning the PAU/patch cord



/ Unwinding the PAU/patch cord

03

EKSELANS / ADALTRA

RECEIVERS, MODULATORS & REMOTE-CONTROL REPEATERS

ANDROID RECEIVER

8 TUNERS IN / 2 RF OUT



EK DR-2

180032	**EK DR-2**	4K/HD Android receiver, H264/H265, 2.4/5 GHz WiFi, 2 USB 2.0 ports, 1 HDMI connector, 1 AV connector, Bluetooth remote control	1/20

DVB-T2 HD AND UHD RECEIVER + ANDROID

SUITABLE FOR UHD 4K



EK TC DROID

180021	**EK TC DROID**	DVB-T/T2 HD H265 digital terrestrial television receiver HEVC + 4K/HD Android receiver, H264/H265, 2.4 GHz WiFi. With universal remote control	1/20

ENCODER / STREAMER TWIN

FIRMWARE IMPROVED

HOSPITALITY TV COMPATIBLE



EN 2HD-IP

284001	**EN 2HD-IP**	Encoder/streamer with 2 HDMI inputs. Multicast IP / HLS / RTMP output for online content over a local or public network (internet). Up to 25 concurrent users	1/18
180036	**EK PLAYER**	Subscriber receiver for EN 2HD IP solution and IP channels on televisions	1

EN 2 HD - IP + EK PLAYER

Optimised A/V content streaming over public and private networks



EK PLAYER

- **Digital signage**
- Streaming and distribution of multimedia content via IP
- Local and remote IPTV and WebTV environments
- Broadcasting locally created content (such as signage, announcements or entertainment) to multiple network endpoints
- Flexibility and scalability in audiovisual distribution
- For use in conference halls, classrooms, meeting rooms, hotels, hospitals, care homes,...

See installation examples on page 42





MD HD EASY

HD DIGITAL MODULATORS

122008	**MD HD EASY**	COFDM/QAM digital modulator. 1 HDMI input up to 1080p. Output frequencies: 170-230MHz + 470-862MHz. Output level (DIN 45004B): >80 dBµV. RF combining input (5–862 MHz). USB for programming professional parameters	1/15



MD HD EASY LOOP

122011	**MD HD EASY LOOP**	COFDM/QAM digital modulator. 1 HDMI input + HDMI LOOP up to 1080p. Output frequencies: 170–230 MHz + 470–862 MHz. Output level (DIN 45004B): >80 dBµV. RF combining input (5–862 MHz). USB for programming professional parameters	1/15



MD HD EASY RC

122014	**MD HD EASY RC**	COFDM/QAM digital modulator. 1 HDMI input + HDMI LOOP up to 1080p. Output frequencies: 170–230 MHz + 470–862 MHz. Output level (DIN 45004B): >80 dBµV. RF combining input (5–862 MHz). USB record/ playback. USB for programming professional parameters. 33/56 KHz transmitter. IR included. 80 dB dynamic range. Selectable 5 V DC for TRC power	1/15



MD HD EASY QUAD

122013	**MD HD EASY TWIN**	Digital modulator for COFDM/QAM. 2 HDMI inputs up to 1080p. Output frequencies: 170–230 MHz + 470–862 MHz. Output level (DIN 45004B): >80 dBµV. RF combining input (5–862 MHz). USB record/playback + USB for programming professional parameters	1/12
122019	**N MD HD EASY QUAD**	COFDM/QAM digital modulator. 4 HDMI inputs up to 1080p. Output frequencies: 170–230 MHz + 470–862 MHz. Output level (DIN 45004B): >80 dBµV. RF combining input (5–862 MHz). USB record/playback + USB for programming professional parameters	1/12



MD A

HD COMPATIBLE 4K

122015	**MD HD L4K**	COFDM/QAM/ISDB-T digital modulator. 1 HDMI input + 4K HDMI LOOP. Output frequencies: 170–230 MHz + 470–862 MHz. Output level (DIN 45004B): >80 dBµV. RF combining input (5–862 MHz). USB for programming professional parameters	1/15
059001	**AMCD**	DIN-rail mounting accessory for HD modulators	1/1000



CHD

POWER SUPPLY

122009	**FA MD**	Replacement power supply for MD digital modulators. 5 V DC/2 A	1

ANALOGUE MODULATORS

121001	**MD A**	Indoor multi-standard analogue audio/video modulator. Output channels: E2-E4, E5-S20, C21-69. Output level (DIN 45004B): 90 dBµV. RF combining input (5–862 MHz)	10/60



HDM 90F

CABLES AND ADAPTERS FOR MODULATORS

123001	**CSR**	SCART IN / 3 × RCA OUT cable, 1.5 m. For MD A	25/100
125001	**CHD**	Male HDMI / male HDMI V2.0 cable, 1.5 m	6/120
165010	**HDM 90F**	Low-profile right-angle male HDMI / female HDMI adapter	10



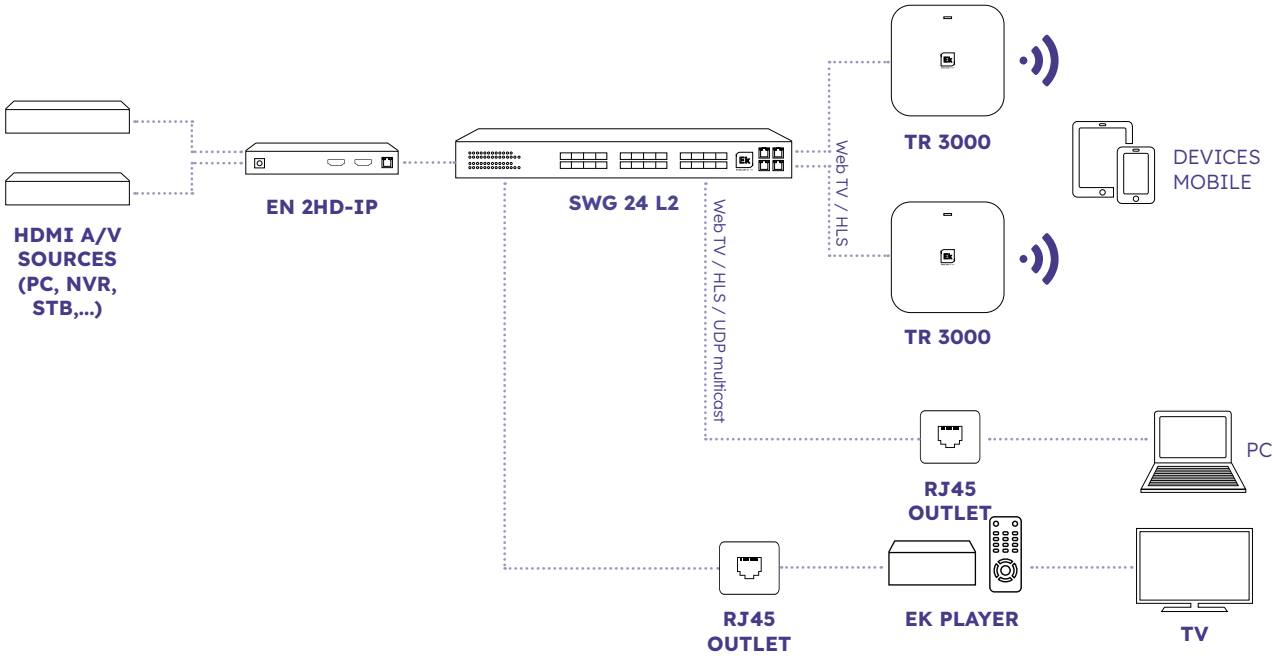
IR W2

REMOTE-CONTROL REPEATERS

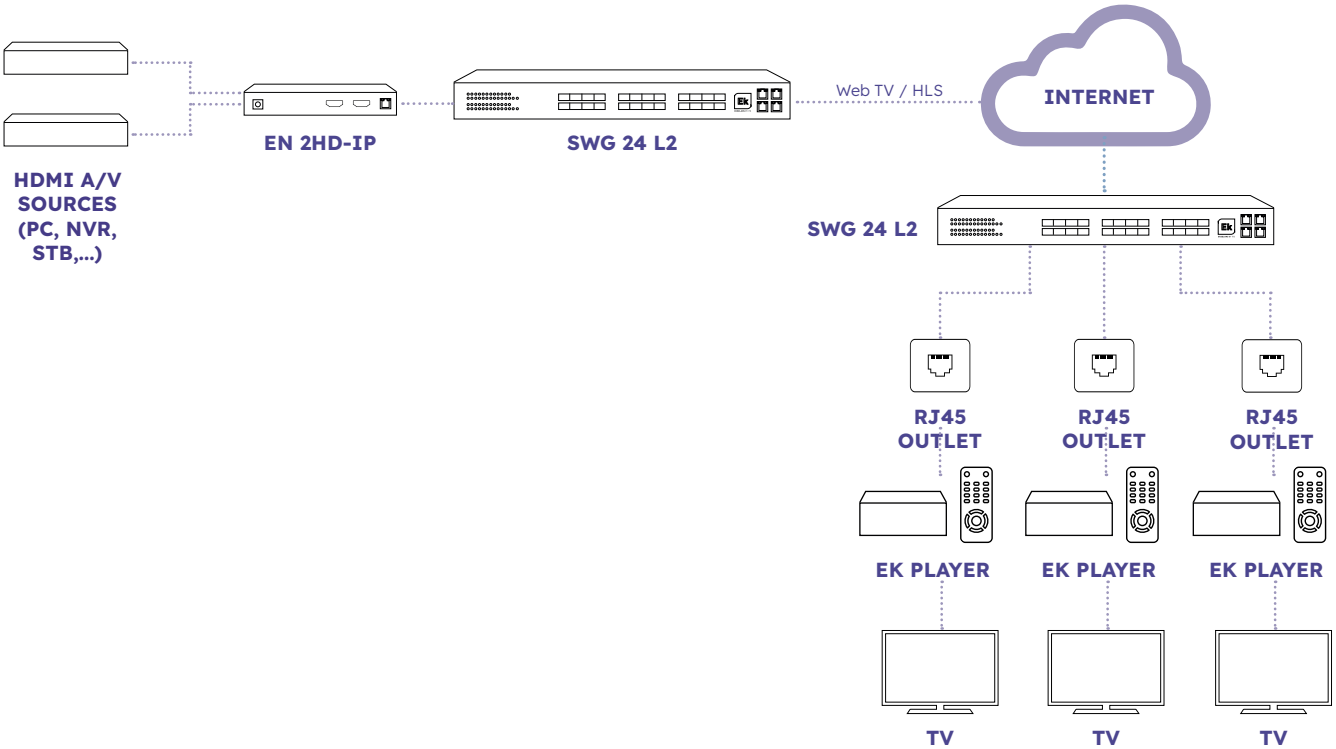
124008	**IR-W2**	Universal wireless remote-control repeater (30–60 KHz). Transmitter-receiver kit	1/10
124009	**IR-W2 EXT**	Additional wireless transmitter	1/10

2HD-IP INSTALLATION DIAGRAMS FOR DIGITAL SIGNAGE SYSTEMS

Local network installation. Reception with EK PLAYER and mobile devices



Installation for internet streaming. Streaming with EN 2HD-IP and reception with EK PLAYER



04

EKSELANS / ADALTRA

TRANSMODULATION HEADEND, ENCODERS & IP STREAMERS

COMPACT HEADENDS

SATELLITE INPUT - PROGRAMMABLE DVB-T / DVB-C OUTPUT



CM COMPACT 8S2



CM COMPACT PLUS 8S2



CM COMPACT PLUS 8S8

085013	N CM COMPACT 8S2	Twin transmodulator, 2 inputs - 8 DVB S/S2/S2X tuners multistream. 13/18 V, 22 KHz, DiSEqC, Unicable (SATCR-DCSS). COFDM-QAM output. Intelligent service remultiplexing. 2 flexible RF output channels. PC programming. Power supply included.	1
085001	CM COMPACT 8S4	4-input transmodulator (8 tuners) DVB S-S2 multistream. BISS compatible. Output COFDM-QAM. Output level: 95 dBµV. MER >35 dB. Intelligent service remultiplexing. 4 adjacent RF output channels. 13/18 V, 22 KHz and DiSEqC. PC programming. Power supply included	1
085002	CM COMPACT 8S8	4-input transmodulator (8 tuners) DVB S-S2 multistream. BISS compatible. Output COFDM-QAM. Output level: 95 dBµV. MER >35 dB. Intelligent service remultiplexing. 8 RF output channels (4+4 adjacent). 13/18 V, 22 KHz and DiSEqC. PC programming. Power supply included	1
080011	CH 2 COMPACT	Wall-mount chassis for 2 COMPACT-series units with external mounting	1
080012	CHR COMPACT	Rack chassis for 6 COMPACT-series units	1
085014	N CM COMPACT PLUS 8S2	Twin transmodulator, 2 inputs - 8 DVB S/S2/S2X tuners multistream. 13/18 V, 22 KHz, DiSEqC, Unicable (SATCR-DCSS). COFDM-QAM output. Intelligent service remultiplexing. 2 flexible RF output channels. PC programming. Modular power supply with an amplifier delivering 114 dBµV per channel.	1
085007	CM COMPACT PLUS 8S4	4-input transmodulator (8 tuners), DVB S-S2 multistream. BISS compatible. COFDM-QAM output. Output level: 95 dBµV. MER >35 dB. Intelligent service remultiplexing. 4 adjacent RF output channels. 13/18 V, 22 KHz and DiSEqC. PC programming. Modular power supply with amplifier delivering a true 112 dBµV per channel	1
085008	CM COMPACT PLUS 8S8	4-input transmodulator (8 tuners), DVB S-S2 multistream. BISS compatible. Output COFDM-QAM. Output level: 95 dBµV. MER >35 dB. Intelligent service remultiplexing. 8 RF output channels (4+4 adjacent). 13/18 V, 22 KHz and DiSEqC. PC programming. Modular power supply with amplifier delivering a true 108 dBµV per channel	1

DVB-T / T2 INPUT - COFDM SD MPEG-2 OUTPUT





KIT CM COMPACT AV 8

085005	KIT CM COMPACT AV 8	Headend kit for converting 8 DVB-T/DVB-T2 - H264/H.265 programmes to COFDM SD MPEG 2. 2 COFDM multiplexes at the output	1

MULTIFUNCTION HEADENDS

SATELLITE INPUT - FLEXIBLE* PROGRAMMABLE DVB-T / DVB-C OUTPUT

082255	CM 8SH-TC	4-input transmodulator - 8 DVB S/S2 multistream tuners, 13/18 V, 22 KHz, DiSEqC, Unicable (SATCR-DCSS). USB file playback and HDMI IN. 4 flexible programmable COFDM / QAM output channels. Output level 95 dBuV. MER >35 dB. Intelligent service remultiplexing. Programming from a PC connected to the power supply. Integrated remote control from the FA 524 power supply	1

SATELLITE INPUT - FLEXIBLE* PROGRAMMABLE DVB-T / DVB-C OUTPUT + IP



CM 8SH-TC

082257	CM 8SH-TC/IP 64 STREAMS IP*	4-input transmodulator - 8 DVB S/S2 multistream tuners. 13/18 V, 22 KHz, DiSEqC, Unicable (SATCR-DCSS). USB file playback and HDMI IN. IP output + 4 flexible programmable COFDM / QAM output channels. Output level 95 dBuV. MER >35 dB. Intelligent service remultiplexing. Up to 64 SPTS/MPTS IP output streams. Programming from a PC connected to the power supply. Integrated remote control from the FA 524 Key power supply	1

* 64 streams for a maximum of 64 services. 300 Mbps maximum

8 TUNERS IN / 2 CI / 2 RF OUT



CM 8S 2CI-2TC



CM 8S 4CI-4TC



CM 8S 2CI-8TC



CM 4T CI-TC



CM 4HD-T

SATELLITE + CI INPUT - PROGRAMMABLE DVB-T / DVB-C OUTPUT

082334	**N CM 8S 2CI-2TC**	Twin transmodulator, 2 inputs - 8 tuners DVB S/S2/S2X, with dual Common Interface reader (2 × CI). 13/18 V, 22 KHz, DiSEqC, Unicable (SATCR-DCSS). Multistream. COFDM-QAM output. Intelligent service remultiplexing. 2 flexible RF output channels. Programming from a PC connected to the power supply. Integrated remote control from the FA 524 Key power supply	1
082323	**CM 8S 2CI-4TC**	Octo transmodulator, 4 inputs - 8 DVB S/S2/S2X tuners, with dual Common Interface reader (2 × CI). 13/18 V, 22 KHz, DiSEqC, Unicable (SATCR-DCSS). Multistream / BISS compatible. COFDM-QAM output. Intelligent service remultiplexing. 4 adjacent RF output channels. Programming from a PC connected to the power supply. Integrated remote control from the FA 524 Key power supply	1
082325	**CM 8S 4CI-4TC**	Octo transmodulator, 4 inputs – 8 DVB S/S2/S2X tuners, with four Common Interface readers (4 × CI). 13/18 V, 22 kHz, DiSEqC, Unicable (SATCR-DCSS). Multistream/BISS compatible. COFDM-QAM output. Intelligent service remultiplexing. 4 RF output channels (adjacent). Programming from a PC connected to the power supply. Integrated remote control from the FA 524 Key power supply	1
082324	**CM 8S 2CI-8TC**	Octo transmodulator, 4 inputs – 8 DVB S/S2/S2X tuners, with two Common Interface readers (2 × CI). 13/18 V, 22 kHz, DiSEqC, Unicable (SATCR-DCSS). Multistream/BISS compatible. COFDM-QAM output. Intelligent service remultiplexing. 8 RF output channels (4 + 4 adjacent). Programming from a PC connected to the power supply. Integrated remote control from the FA 524 Key power supply	1
082326	**CM 8S 4CI-8TC**	Octo transmodulator, 4 inputs – 8 DVB S/S2/S2X tuners, with four Common Interface readers (4 × CI). 13/18 V, 22 kHz, DiSEqC, Unicable (SATCR-DCSS). Multistream/BISS compatible. COFDM-QAM output. Intelligent service remultiplexing. 8 RF output channels (4 + 4 adjacent). Programming from a PC connected to the power supply. Integrated remote control from the FA 524 Key power supply	1

DVB-T/T2 + DVB-C INPUT – FLEXIBLE* PROGRAMMABLE DVB-T/DVB-C OUTPUT

082258	**CM 4T-TC**	Transmodulator with 1 input, 4 independent DVBT/T2/C tuners + loop-through – 4 flexible programmable COFDM/QAM output channels. Output level 95 dBuV. MER >35 dB. Intelligent service remultiplexing. Programming from a PC connected to the power supply. Integrated remote control from the FA 524 power supply	1
082259	**CM 4T-CI-TC**	Transmodulator with 1 input, 4 independent DVBT/T2/C tuners + loop-through, with two Common Interface (CI) readers – 4 flexible programmable COFDM/QAM output channels. Output level 95 dBuV. MER >35 dB. Intelligent service remultiplexing. Programming from a PC connected to the power supply. Integrated remote control from the FA 524 power supply	1

MULTI-INPUT MODULATORS – FLEXIBLE* PROGRAMMABLE DVB-T/DVB-C OUTPUT

082004	**CM 4HD-TC**	Encoder with 4 × HDMI inputs/COFDM–QAM output. Output level: 95 dBµV. MER >35 dB. Remultiplexing of 4 HDMI inputs into two flexible DVB-T/DVB-C RF channels. PC programming. Remote management via RJ45 on the FA 524 power supply	1
082022	**CM 4HD-T**	Encoder with 4 × HDMI inputs/COFDM output. Output level: 95 dBµV. MER >35 dB. Remultiplexing of 4 HDMI inputs into two flexible DVB-T RF channels. PC programming. Remote management via RJ45 on the FA 524 power supply	1



CM 4AV-TC

MULTI-INPUT MODULATORS – FLEXIBLE* DVB-T OUTPUT

082025	**CM 2AV-T**	Encoder with 2 × AV (CVBS) inputs/COFDM output. Output level 95 dBµV. MER >32 dB. Remultiplexing of 2 AV inputs into a single DVB-T channel. Programming from a PC connected to the power supply. Remote management via RJ45 on the FA 524 power supply	1
082003	**CM 4AV-TC**	Encoder with 4 × AV (CVBS) inputs/COFDM output. Output level: 95 dBµV. MER >35 dB. Remultiplexing of 4 A/V inputs into a single DVB-T RF channel. PC programming. Remote management via RJ45 on the FA 524 power supply	1

SATELLITE + HDMI INPUT – IP OUTPUT



CM 8S-IP



CM 8S 2CI-IP



CM 8S 4CI-IP



CM 8TC-IP

082294	**CM 8S-IP** 64 STREAMS IP*	Transmodulator, 4 inputs – 8 DVB S/S2/S2X tuners, 13/18 V, 22 kHz, DiSEqC, Unicable (SATCR-DCSS). Multistream/BISS compatible. Up to 64 SPTS/MPTS IP output streams. Programming from a PC connected to the power supply. Integrated remote control from the FA 524 Key power supply	1
082262	**CM 8SH-IP** 64 STREAMS IP*	Transmodulator, 4 inputs – 8 DVB S/S2 multistream tuners, 13/18 V, 22 kHz, DiSEqC, Unicable (SATCR-DCSS). USB file player and HDMI IN. Up to 64 SPTS/MPTS IP output streams. Programming from a PC connected to the power supply. Integrated remote control from the FA 524 Key power supply	1
082295	**CM 8S 2CI-IP** 64 STREAMS IP*	Octo transmodulator, 4 inputs – 8 DVB S/S2/S2X tuners, with two Common Interface readers (2 × CI). 13/18 V, 22 kHz, DiSEqC, Unicable (SATCR-DCSS). Multistream/BISS compatible. Up to 64 SPTS/MPTS IP output streams. Programming from a PC connected to the power supply. Integrated remote control from the FA 524 Key power supply	1
082322	**CM 8S 4CI-IP** 64 STREAMS IP*	Octo transmodulator, 4 inputs – 8 DVB S/S2/S2X tuners, with four Common Interface readers (4 × CI). 13/18 V, 22 kHz, DiSEqC, Unicable (SATCR-DCSS). Multistream/BISS compatible. Up to 64 SPTS/MPTS IP output streams. Programming from a PC connected to the power supply. Integrated remote control from the FA 524 Key power supply	1

* 64 streams for a maximum of 64 services. 300 Mbps maximum

DVB-T/T2 + DVB-C INPUT – IP OUTPUT

082260	**CM 4T-IP** 64 STREAMS IP*	Transmodulator with 1 input and 4 independent DVB-T/T2/C tuners + loop-through. Up to 64 SPTS/MPTS IP output streams. Programming from a PC connected to the power supply. Integrated remote control from the FA 524 Key power supply	1
082261	**CM 4T-CI-IP** 64 STREAMS IP*	Transmodulator with 1 input and 4 independent DVB-T/T2/C tuners + loop-through, with two Common Interface readers (2 × CI) – up to 64 SPTS/MPTS IP output streams. Programming from a PC connected to the power supply. Integrated remote control from the FA 524 Key power supply	1
082293	**CM 8TC-IP** 64 STREAMS IP*	Transmodulator with 2 inputs, each with 4 independent tuners, or 1 input (loop-through) for 8 DVB-T/T2/C tuners. Up to 64 SPTS/MPTS IP output streams. Programming from a PC connected to the power supply. Integrated remote control from the FA 524 Key power supply	1

* 64 streams for a maximum of 64 services. 300 Mbps maximum

MULTI-INPUT STREAMERS – IP OUTPUT

082007	**CM 4AV-IP**	IP streamer with 4 × AV (CVBS) inputs. 1,000 Mbps IP output. RTP/UDP. QoS	1
082008	**CM 4HD-IP**	IP streamer with 4 × HDMI inputs (up to 1080p). 1,000 Mbps IP output. RTP/UDP. QoS	1



CM IP CI-TC



CM TO 3-1310



FA 524



CM AMP 114



CH3 TR

IP INPUT – PROGRAMMABLE DVB-T/DVB-C OUTPUT

082018	**CM IP-TC** 31 STREAMS IP*	IP input. 31 SPTS/MPTS streams. 1,000 Mbps. RTP-UDP/COFDM-QAM output. Output level: 95 dBµV. MER >35 dB. 4 flexible RF output channels. PC programming. Remote management via RJ45 on the FA 524 power supply	1
082019	**CM IP CI-TC** 31 STREAMS IP*	IP input. 31 streams SPTS / MPTS. 1000Mbps. RTP-UDP + 2 × Common Interface/COFDM-QAM output. Output level: 95 dBµV. MER >35 dB. 4 RF output channels. PC programming. Remote management via RJ45 on the FA 524 power supply	1

* 32 services per stream. Maximum 512 services and 200 Mbps

IP INPUT – IP OUTPUT

082037	**CM IP CI-IP** 31 STREAMS IP*	IP input. 31 SPTS/MPTS streams. 1,000 Mbps. RTP-UDP + 2 × Common Interface/1,000 Mbps IP output. RTP/UDP. QoS Up to 64 SPTS/MPTS IP output streams. Programming from a PC connected to the power supply. Remote management via RJ45 on the FA 524 power supply	1

* 32 services per stream. Maximum 512 services and 300 Mbps

1 GHz OPTICAL TRANSMITTER

274101	**CM TO 3-1310**	Optical transmitter: IN 47–1,000 MHz/OUT 1,310 nm DFB laser. Optical power 3 dBm. SC/APC. Self-powered	1

2.6 GHz OPTICAL TRANSMITTER

274102	**CM TO 10 FI-1550**	Optical transmitter: IN 30–2,600 MHz/OUT 1,550 nm DFB laser. Optical power 10 dBm. Digital signals. SC/APC. Self-powered. Compatible with CM headend	1

EDFA

274108	**CM EDFA 122**	1,550 nm DFB laser optical amplifier. Optical power 22 dBm. Self-powered	1

OPTICAL SPLITTERS

274103	**CM RF 2**	2-output optical splitter. Compatible with CM headend	1
274104	**CM RF 4**	4-output optical splitter. Compatible with CM headend	1
274105	**CM RF 8**	8-output optical splitter. Compatible with CM headend	1

ACCESSORIES

082009	**FA 524**	5 V DC, 20 A modular power supply. Includes RJ45 for remote management and USB for programming	1
082045	**FA 524 KEY**	5 V DC, 20 A modular power supply. Includes RJ45 for remote management and USB for programming. Contains CM KEY	1
082329	**CM AMP 114**	CM G series amplifier: 20 dB. Output level (DIN 45004B) 114dBµV	1
082010	**FA 55**	5 V DC, 5 A plug-in power supply for FTA modules and multi-input modulators. Supports one CM module + LNB. Requires CM PR	1
082014	**CM PR**	External unit for programming a CM headend via USB. Required with FA 55 power supply	1
082015	**CM KEY**	Key for access to CM headend remote management	1
080005	**CHM TR**	6-unit wall-mount chassis (5 modules + 1 power supply)	1
080008	**CH 3 TR**	3-unit wall-mount chassis (2 modules + 1 power supply)	1
080006	**CHR TR**	6-unit rack chassis (5 modules + 1 power supply)	1

TECHNOLOGY SOLUTIONS FOR THE HOSPITALITY AND HEALTH AND SOCIAL CARE SECTORS

EK offers the hospitality and health and social care sectors a wide range of technology solutions designed to meet current connectivity and entertainment needs and requirements.

Based on its own developments, EK offers a broad range of professional equipment for creating advanced multimedia environments in hotels
–Chromecasting, IPTV and streaming to mobile devices–, either by upgrading existing infrastructure without building work or by implementing advanced FTTR (Fiber-To-The-Room) systems over optical fibre.



RF TRANSMODULATORS

IP STREAMERS

EK HOTEL IPTV SYSTEM

TRANSMISSION SYSTEMS OVER PUBLIC NETWORKS

DIGITAL SIGNAGE

CHROMECASTING

VIDEO ON DEMAND (VoD)

FTTR-GPON

WiFi

EKOAX INTERNET OVER COAXIAL

ENTERTAINMENT AND INTERACTIVITY

Go to the hospitality section of our website

05

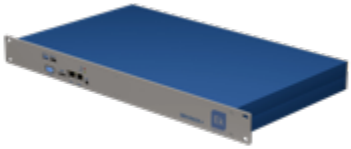
EKSELANS / ADALTRA

HOSPITALITY / IPTV SERVERS/ CHROMECASTING/ OTT AND OPERATORS

TRANSCODERS, TRANSRATING, OTT AND IP STREAMING



EK BRIDGE · EK LINK



EK LINK R



EK STREAM PLUS · OTT BY EK

280026	**EK BRIDGE**	Multicast content encapsulator/decapsulator for HTTP (up to 20 SD services or 15 HD services) for transport over the public Internet. Point-to-point transmission. Self-powered	1
280027	**EK LINK**	Bidirectional IP converter/adapter between multicast and WebTV protocols (HLS/RTMP/MPEG-DASH) for TV services, with audio transcoding capabilities (up to 20 SD services or 15 HD services). Self-powered	1
280052	**EK LINK R**	Bidirectional IP converter/adapter between multicast and WebTV protocols (HLS/RTMP/MPEG-DASH) for TV services, with audio transcoding capabilities (up to 20 SD services or 15 HD services). 19-inch rack-mount format	1
280044	**EK STREAM PLUS**	MPEG-2/H-264/H265 transcoder for television services (up to 30 SD services or 15 HD services). IP input and output. Bidirectional conversion between multicast and WebTV protocols (HLS/RTMP/MPEG-DASH)	1
280032	**OTT BY EK***	OTT server for up to 64 services and 250 concurrent users. Includes video engine for various WebTV formats (HLS / RTMP / MPEG-DASH) and a configurable, multi-device web portal for browser access to services. Optional restricted access using tokens and interface for payment gateway integration. Playout with optimised switching. DRM compatible	1
280031	**EK STREAM PLUS + OTT***	OTT server for up to 30 services and 125 concurrent users, with service pre-transcoding capability (up to 16 SD services/8 HD services). IP input and output. Bidirectional conversion between multicast and WebTV protocols (HLS/RTMP/MPEG-DASH). Includes a video engine for various WebTV formats (HLS, RTMP, MPEG DASH) and a configurable multi-device web portal for browser access to services, with optional restricted access using tokens and an interface for payment gateway integration	1
280049	**EK EPG**	Flexible electronic programme guide (EPG) generation service for OTT and DVB platforms. Cloud management via web interface	1
311008	**EK SOP**	Remote commissioning support	1
311009	**ADALTRA CARE**	Maintenance service	1

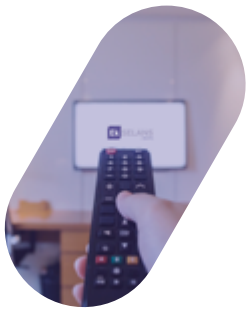
*Please enquire about the annual licence

HOSPITALITY/HEALTH AND SOCIAL CARE/IPTV



EK HOTEL TV / EK HOTEL TV PRO

EKHOTELTV



280029	**EK STREAM BASIC**	MPEG-2/H-264/H265 transcoder for television services (up to 4 SD services or 2 HD services). IP input and output. Bidirectional conversion between multicast and WebTV protocols (HLS/RTMP/MPEG-DASH). CM headend form factor. Self-powered	1
280044	**EK STREAM PLUS**	MPEG-2/H-264/H265 transcoder for television services (up to 30 SD services or 15 HD services). IP input and output. Bidirectional conversion between multicast and WebTV protocols (HLS/RTMP/MPEG-DASH). 19-inch rack-mount format	1
280047	**EK HOTEL TV**	Multicast IPTV/WebTV processing server for hotels. Simplified configuration portal. Channel-list management and user-customisable information. Remote management of STB PROF devices. 2-channel playout. CM headend form factor. Self-powered	1
280059	**EK HOTEL TV PRO**	Multicast IPTV/WebTV processing server for hotels. Simplified configuration portal. Channel-list management and user-customisable information. Remote management of STB PROF devices. WebTV channel streaming (HLS/RTMP/MPEG-DASH) over WiFi for up to 20 SD services or 7 HD services and 70 users. 2-channel playout. CM headend form factor. Self-powered	1
280082	**MVOD**	VoD option for EK HOTEL TV PRO/EK HEALTH PRO	1
280083	**MPT**	Task scheduler option for EK HOTEL TV/PRO	1



EK HOTEL TV PLUS

EKHEALTH





EK HEALTH / EK HEALTH PRO

EKCAST



CRP 4K



MU CAST



Example welcome screen
EK CAST

280048	**EK HOTEL TV PLUS**	Multicast IPTV/WebTV processing server for hotels. Simplified configuration portal. Channel-list management and user-customisable information. Remote management of STB PROF devices. WebTV channel streaming (HLS/RTMP/MPEG-DASH) over WiFi for up to 64 SD services or 22 HD services and 250 users. 5-channel playout. VoD	1
280064	**EK HEALTH**	Multicast IPTV/WebTV processing server for hospitals/care homes. Simplified configuration portal. Channels and information configurable according to patient or resident requirements. Option to create notifications, alerts or alarms for staff responsible for patient or resident care. Centralised receiver power-off and power-on, option to limit maximum volume and facility for centralised, scheduled channel selection. 2-channel playout. CM headend form factor. Self-powered	1
280065	**EK HEALTH PRO**	Multicast IPTV/WebTV processing server for hospitals/care homes. Simplified configuration portal. Channels and information configurable according to patient or resident requirements. Option to create notifications, alerts or alarms for staff responsible for patient or resident care. Centralised receiver power-off and power-on, option to limit maximum volume and facility for centralised, scheduled channel selection. WebTV channel streaming (HLS/RTMP/MPEG-DASH) over WiFi for up to 20 SD services or 7 HD services and 70 users. 2-channel playout. CM headend form factor. Self-powered	1
280066	**EK HEALTH PLUS**	Multicast IPTV/WebTV processing server for hospitals/care homes. Simplified configuration portal. Channels and information configurable according to patient or resident requirements. Option to create notifications, alerts or alarms for staff responsible for patient or resident care. Centralised receiver power-off and power-on, option to limit maximum volume and facility for centralised, scheduled channel selection. WebTV channel streaming (HLS/RTMP/MPEG-DASH) over WiFi for up to 64 SD services or 22 HD services and 250 users. 5-channel playout. VoD	1
280093	**CRP 4K**	4K casting device with anti-theft protection. Includes configuration service (valid only for integrated EK HOTEL/EK HEALTH and EK CAST systems)	1
180035	**STB PROF**	4K IPTV receiver for OTT BY EK	1
180014	**L IPTV**	Management system for an IPTV DONGLE	1
280098	**MU CAST**	Universal remote control for TV and IPTV device. IR + Bluetooth	1

HOSPITALITY/CHROMECASTING

280070	**RGM**	Multi-port router (10 × 1 Gb)	1
280055	**EK CAST MINI**	Mini server for managing casting devices for up to 40 devices (L CAST management system included). Desktop format	1
280053	**EK CAST**	Rack-mount casting-device management server for up to 250 devices	1
280084	**EK CAST PLUS**	Rack-mount casting-device management server for up to 500 devices	1
280093	**CRP 4K**	4K casting device with anti-theft protection. Includes configuration service	1
280098	**MU CAST**	Universal remote control for TV and CAST device. IR + Bluetooth	1
125004	**CHD CR**	0.5 m male-to-female HDMI cable	1
280056	**L CAST**	Management system for casting devices	1
280101	**C CAST R**	Remote configuration of CRP 4K	1
280058	**IPMS**	Graphical configuration interface for PMS connection via Char	1
311008	**EK SOP**	Remote commissioning support	1
311009	**ADALTRA CARE**	Maintenance service	1

EKHOTELTV + EKCAST INTEGRATED

Watch the Ek Hotel + Ek Cast demonstration video

COMBINE YOUR EK HOTEL AND EK CAST SOLUTION IN A SINGLE SUBSCRIBER DEVICE.

Choose the EK HOTEL and EK CAST server that best suits your project and complete it with the following items to provide guests with a fully integrated entertainment and connectivity experience:





CRP 4K



SW10G 48-AXL3



EN 2HD-IP



CM IP-TC



CHR TR



UPS 1000

INTEGRATED EK HOTEL + EK CAST

280093	**CRP 4K**	4K casting + IPTV device with anti-theft protection. Includes configuration service	1
280099	**L CAST IP**	Management system for combined casting + IPTV devices	1
280098	**MU CAST**	Universal remote control for TV and IPTV device. IR + Bluetooth	1

MANAGED SWITCHES

334200	**SWG 24 L2**	Layer 2+ Ethernet switch. 24 × Gb Ethernet ports + 4 × SFP. 1 Gbps. IGMP snooping.	1
334201	**SWG 24-AX**	Managed switch with 24 GE PoE+ ports and 4 SFP ports. IGMP snooping. Compatible with cloudPRO and apps.	1
331027	**SW10G 48-AXL3**	Managed switch with 48 10/100/1000 ports. 4 10GE SFP ports. PoE+ up to 405 W. IGMP snooping. Compatible with cloudPro and apps.	1

ENCODER / STREAMER TWIN

284001	**EN 2HD-IP**	Encoder/streamer with 2 HDMI inputs. Multicast IP/HLS/RTMP output for local networks or online streaming. Up to 25 users	1/18
180036	**EK PLAYER**	Subscriber receiver for EN 2HD IP solution and IP channels on televisions	1

ENCODERS: IP INPUT – PROGRAMMABLE DVB-T/DVB-C OUTPUT

082018	**CM IP-TC** 31 STREAMS IP*	IP input. 31 SPTS/MPTS streams. 1,000 Mbps. RTP-UDP/COFDM-QAM output. Output level: 95 dBµV. MER >35 dB. 4 flexible RF output channels. PC programming. Remote management via RJ45 on the FA 524 power supply	1
082019	**CM IP CI-TC** 31 STREAMS IP*	IP input. 31 streams SPTS / MPTS. 1000Mbps. RTP-UDP + 2 × Common Interface/COFDM-QAM output. Output level: 95 dBµV. MER >35 dB. 4 RF output channels. PC programming. Remote management via RJ45 on the FA 524 power supply	1
082009	**FA 524**	5 V DC, 20 A modular power supply. Includes RJ45 for remote management and USB for programming	1
080006	**CHR TR**	6-unit rack chassis (5 modules + 1 power supply)	1

* 32 services per stream. Maximum 512 services and 200 Mbps

MULTI-INPUT STREAMERS – IP OUTPUT

082007	**CM 4AV-IP**	IP streamer with 4 × AV (CVBS) inputs. 1,000 Mbps output streams. RTP/UDP. QoS	1
082008	**CM 4HD-IP**	IP streamer with 4 × HDMI inputs (up to 1080p). 1,000 Mbps output streams. RTP/UDP. QoS	1

UNINTERRUPTIBLE POWER SUPPLIES

312004	**UPS 1000**	1 kVA online UPS. AC/AC efficiency 92%. Power factor 0.9. 9-minute runtime. Display and 19-inch rack-mount format	1
312005	**PB UPS**	External battery pack	1
312006	**SNMP UPS**	SNMP control card	1

06

EKSELANS / ADALTRA

CATV / HFC OPTICAL TRANSMISSION – RECEPTION

LINE/TELEDISTRIBUTION AMPLIFIERS



AC 129 TR



JXP X



JMP -1 / STI-3.5 / TSI-1/9



FA 6AC



MCAL 381 LR



TO 3 1310

REMOTE-POWERED CATV

102007	**AC 129 TR**	Amplifier IP64 bidirectional, remote-powered trunk unit. G: 39 dB (85–1,006 MHz)/-2.5/25 dB configurable (5–65 MHz). Output level: 129dBµV (DIN 45004B/118 dBµV, 42 CENELEC channels). AC power. PG11 connectors. 5/8, JMP-1 and JXP-0 adapters included	1
102008	**JMP-1**	Signal bypass for AC 129 TR	1
102009	**STI-3,5**	Signal splitter (-3.5/-3.5 dB) for AC 129 TR	1
102010	**TSI-1/9**	Signal tap (-1/-9 dB) for AC 129 TR	1
102011	**JXP 0**	0 dB attenuator for AC 129 TR	1
102012	**JXP 2**	2 dB attenuator for AC 129 TR	1
102013	**JXP 3**	3 dB attenuator for AC 129 TR	1
102014	**JXP 6**	6 dB attenuator for AC 129 TR	1
102015	**JXP 9**	9 dB attenuator for AC 129 TR	1
102016	**JXP 12**	12 dB attenuator for AC 129 TR	1
161012	**A 11-58**	PG11-to-5/8 adapter	1
161011	**C 58-11**	5/8 connector for 10/11 mm cables	1/20
161013	**C 58-15**	5/8 connector for 15/16 mm cables	1
161014	**A 58-F**	5/8-to-F adapter	1

REMOTE-POWERING SUPPLIES

102020	**FA 6AC**	Power supply for remote powering of AC 129 TR. 60 V AC/6 A	1

SELF-POWERED CATV

061007	**MCAL 381 LR**	Compact headend/line amplifier, 1 input (87–1,000 MHz) and passive 5–65 MHz return path. G: 26 dB (87 MHz) / 32 dB (1,000 MHz). Output level (DIN 45004B): 117 dBµV (VHF) / 114 dBµV (UHF). Class A. Compatible with EKOAX	10/60
102006	**AC 118 R**	CATV wideband amplifier with passive return path (5–65 MHz) and forward path (87–1,000 MHz). G: 38 dB. Output level (DIN 45004B): 118 dBµV. Independent gain and tilt adjustments. TEST output (-30 dB). Compatible with Ekoax system. Class A	6/24

OPTICAL TRANSMITTERS, SPLITTERS AND RECEIVERS

BASIC SERIES OPTICAL TRANSMITTERS

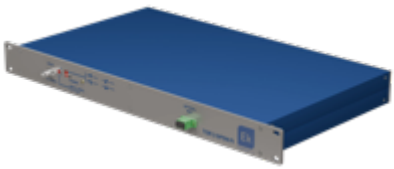
271017	**TO 3 1310**	Optical transmitter: IN 47–1,000 MHz/OUT 1,310 nm DFB laser. Optical power 3 dBm. SC/APC	1
271001	**TO 3 FI**	Optical transmitter: IN 30–2,600 MHz/OUT 1,310 nm DFB laser. Optical power 3 dBm. Digital signals. SC/APC	1
271022	**TO 10 FI 1550**	Optical transmitter: IN 30–2,600 MHz/OUT 1,550 nm DFB laser. Optical power 10 dBm. Digital signals. SC/APC	1

CM SERIES OPTICAL TRANSMITTERS

274101	**CM TO 3-1310**	Optical transmitter: IN 47–1,000 MHz/OUT 1,310 nm DFB laser. Optical power 3 dBm. SC/APC. Self-powered	1
274102	**CM TO 10 FI-1550**	Optical transmitter: IN 30–2,600 MHz/OUT 1,550 nm DFB laser. Optical power 10 dBm. Digital signals. SC/APC Self-powered. Compatible with CM headend	1



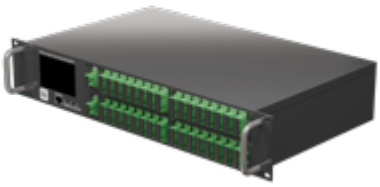
CM EDFA 122



TOR 3 GPON FI



EDFA 1617



EDFA 3219



CM RF 8

CM SERIES EDFA

274108	**CM EDFA 122**	1,550 nm DFB laser optical amplifier. Optical power 22 dBm. Self-powered	1

RACK-MOUNT OPTICAL TRANSMITTERS

271021	**TOR 3 GPON**	Professional optical transmitter: IN 47–1,000 MHz/OUT 1,550 nm DFB laser. Optical power 3 dBm. SC/APC	1
271020	**TOR 3 GPON FI**	Professional optical transmitter: IN 47–2,600 MHz/OUT 1,550 nm DFB laser. Optical power 3 dBm. SC/APC	1

MULTI-PORT RACK-MOUNT EDFAs

310023	**EDFA 812**	8-way 1,550 nm optical amplifier + 1,490 nm and 1,310 nm multiplexer. Total optical power: 23 dBm. Optical power per port: 12.5 dBm	1
310010	**EDFA 816**	8-way 1,550 nm optical amplifier + 1,490 nm and 1,310 nm multiplexer. Total optical power: 27 dBm. Optical power per port: 16.5 dBm	1
310011	**EDFA 1617**	16-way 1,550 nm optical amplifier + 1,490 nm and 1,310 nm multiplexer. Total optical power: 31 dBm. Optical power per port: 17 dBm	1
310022	**EDFA 3219**	32-way 1,550 nm optical amplifier + 1,490 nm and 1,310 nm multiplexer. Total optical power: 34 dBm. Optical power per port: 19 dBm	1

CM SERIES OPTICAL SPLITTERS

274103	**CM RF 2**	2-output optical splitter. Compatible with CM headend	1
274104	**CM RF 4**	4-output optical splitter. Compatible with CM headend	1
274105	**CM RF 8**	8-output optical splitter. Compatible with CM headend	1

CM SERIES MOUNTING CHASSIS

080005	**CHM TR**	6-unit wall-mount chassis (5 modules + 1 power supply)	1
080008	**CH 3 TR**	3-unit wall-mount chassis (2 modules + 1 power supply)	1
080006	**CHR TR**	6-unit rack chassis (5 modules + 1 power supply)	1

COMPACT OPTICAL SPLITTERS

366133	**SCF 2**	Modular fibre-optic splitter (cassette), 1 × 2, SC/APC connectorised	1
366134	**SCF 4**	Modular fibre-optic splitter (cassette), 1 × 4, SC/APC connectorised	1
366135	**SCF 8**	Modular fibre-optic splitter (cassette), 1 × 8, SC/APC connectorised	1
366136	**SCF 16**	Modular fibre-optic splitter (cassette), 1 × 16, SC/APC connectorised	1
366137	**SCF 32**	Modular fibre-optic splitter (cassette), 1 × 32, SC/APC connectorised	1
366138	**SSCF**	Wall-mount bracket for SCF splitters	1



SSCF



SSCF + SCF 8



RO 4 LR



RO 88 AGC



RO 90 FI AGC



ON 129 AC



TO LR XXXX



JMP -1 / STI-3.5 / TSI-1/9



JXP X

5–200 MHz HEADEND OPTICAL RECEIVER

275001	**RO 4LR**	QUAD optical receiver, 1,200–1,620 nm. Input power 0...-23 dBm. Output 5–200 MHz, 120dBµV. TEST -20 dB	1

1 GHz OPTICAL RECEIVER

270002	**RO 88 AGC**	FTTH optical receiver. IN 1,260–1,620 nm. Optical level 2...-15 dBm (AGC 0...-12 dBm)/OUT 47–862 MHz. Output level >80dBµV. SC/APC	1

2.6 GHz OPTICAL RECEIVER

270003	**RO 90 FI AGC**	FTTH optical receiver. IN 1,260–1,620 nm. Optical level 3...-15 dBm (AGC 0...-12 dBm) / OUT 47–2,600 MHz. Output level >80dBµV. SC/APC	1

OPTICAL NODES

1 GHz DOCSIS 3.0 HFC OPTICAL NODES

273002	**ON 129 AC**	87–1,002 MHz optical node. Ready for 5–65 MHz TX insertion. Output level: 129dBµV (DIN 45004B/114 dBµV, 42 CENELEC channels). AC power. PG11 connectors. IP64	1
274001	**TO LR 1310 FP**	Optical transmitter module for ON 129 AC node. 1,310 nm FP laser. Optical output power 0 dBm. Status indicator	1
274002	**TO LR 1310 DFB**	Optical transmitter module for ON 129 AC node. 1,310 nm DFB laser. Optical output power 3 dBm. Status indicator	1
274003	**TO LR 1550 DFB**	Optical transmitter module for ON 129 AC node. 1,550 nm laser DFB. Optical output power 3 dBm. Status indicator	1
274005	**TO XX CWDM**	Optical transmitter module for ON 129 AC node, for CWDM with wavelength available to order. Optical output power 3 dBm. Status indicator	1

ACCESSORIES FOR 1 GHz OPTICAL NODES

102008	**JMP-1**	Signal bypass for ON 129 AC node	1
102009	**STI-3,5**	Signal splitter (-3.5/-3.5 dB) for ON 129 AC node	1
102010	**TSI-1/9**	Signal tap (-1/-9 dB) for ON 129 AC node	1
102011	**JXP 0**	0 dB attenuator for ON 129 AC node	1
102012	**JXP 2**	2 dB attenuator for ON 129 AC node	1
102013	**JXP 3**	3 dB attenuator for ON 129 AC node	1
102014	**JXP 6**	6 dB attenuator for ON 129 AC node	1
102015	**JXP 9**	9 dB attenuator for ON 129 AC node	1
102016	**JXP 12**	12 dB attenuator for ON 129 AC node	1
274004	**2FPG11**	2-fibre-to-PG11 adapter for ON 129 AC node	1

07

EKSELANS / ADALTRA

DTT + SAT TRANSMISSION OVER OPTICAL FIBRE

4 SATELLITE POLARITIES + TERRESTRIAL OVER OPTICAL FIBRE



TO 4ST



SSCF SSCF + SCF 8

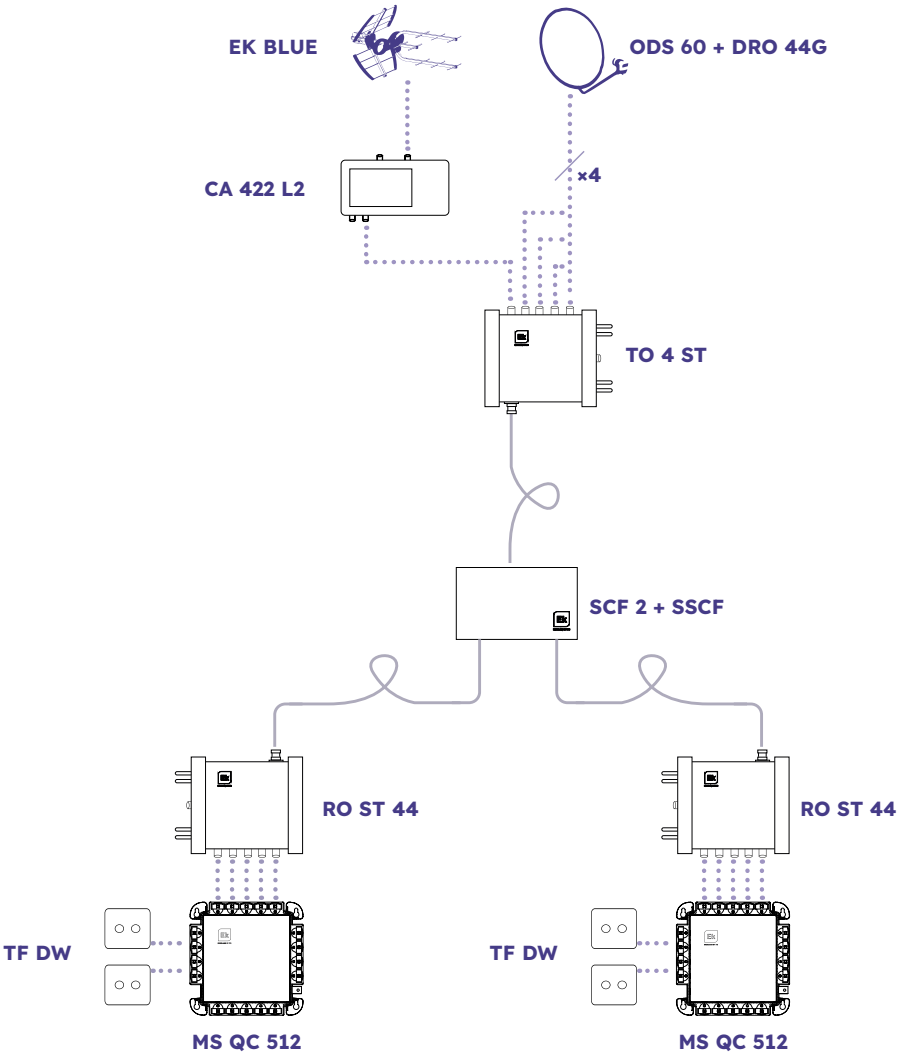


RO ST 44

276001	**TO 4ST**	Optical transmitter for 4 satellite polarities + terrestrial. 4 satellite IF inputs and 1 47–862 MHz input. Wavelength: 1,510–1,570 nm. Optical power 3 dBm. SC/APC connector	1
366133	**SCF 2**	Modular fibre-optic splitter (cassette), 1 × 2, SC/APC connectorised. Occupies 1U in BSCFR frame	1
366134	**SCF 4**	Modular fibre-optic splitter (cassette), 1 × 4, SC/APC connectorised. Occupies 1U in BSCFR frame	1
366135	**SCF 8**	Modular fibre-optic splitter (cassette), 1 × 8, SC/APC connectorised. Occupies 1U in BSCFR frame	1
366136	**SCF 16**	Modular fibre-optic splitter (cassette), 1 × 16, SC/APC connectorised. Occupies 2U in BSCFR frame	1
366137	**SCF 32**	Modular fibre-optic splitter (cassette), 1 × 32, SC/APC connectorised. Occupies 4U in BSCFR frame	1
366138	**SSCF**	Wall-mount bracket for SCF splitters	1
276003	**RO ST 44**	Optical receiver for 4 satellite polarities + terrestrial. 4 HL/HH/VL/VH outputs + 1 47–862 MHz output. SC/APC fibre connector. Power supply included	1

See available multiswitches at pages 17, 18, 19

EXAMPLE OF DISTRIBUTING 4 SATELLITE POLARITIES AND TERRESTRIAL SIGNAL OVER 1 FIBRE



08

EKSELANS / ADALTRA

GPON



OLT 1



OLT 2



OLT 8E

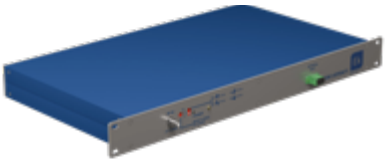


OLT 16E





SWH-TR



TOR 3 GPON · TOR 3 GPON FI



EDFA 1617



UPS 1000

NETWORK ELECTRONICS

334200	**SWG 24 L2**	Layer 2+ Ethernet switch. 24 × Gb Ethernet ports + 4 × SFP. 1 Gbps. IGMP snooping.	1
280070	**RGM**	Multi-port router (10 × 1 Gb)	1

GPON OLTs / CONFIGURATION SERVERS

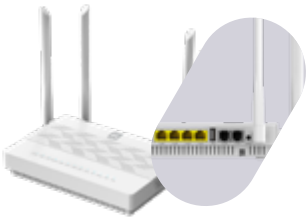
310012	**OLT 1**	GPON headend with 1 downlink port. 1 × 10GE uplink port + 2 × 1GE uplink ports	1
310013	**OLT 2**	GPON headend with 2 downlink ports, 1 × 10GE uplink port + 2 × 1GE uplink ports	1
310051	**SWH 12**	Server for automatic configuration and provisioning for hospitality, compatible with OLT1 and OLT2. TR069. Power supply included.	1
310008	**OLT 8E**	GPON headend with 8 downlink ports and 8 uplink ports (2 × 10GE and 6 × GE). Redundant power supply	1
310009	**OLT 16E**	GPON headend with 16 downlink ports and 8 uplink ports (2 × 10GE and 6 × GE). Redundant power supply	1
310025	**SFP UP**	SFP for GbEthernet uplink, RJ45 port	1
310036	**SFP 10G UP**	SFP for 10GbEthernet uplink, RJ45 port	1
310018	**SFP C+**	SFP for GPON downlink, C+ type	1
310035	**SFP C++**	SFP for GPON downlink, C++ type	1
310040	**SWH-BASIC**	Desktop server for automatic configuration and provisioning for hospitality. TR069. For up to 40 ONTs. Power supply included.	1
310041	**SWH-MINI**	CM-format server for automatic configuration and provisioning for hospitality. TR069. For up to 120 ONTs	1
310026	**SWH-TR**	Professional rack server for automatic configuration and provisioning for hospitality. TR069	1
311008	**EK SOP**	Support and commissioning	1
311009	**ADALTRA CARE**	Maintenance service	1

OPTICAL TRANSMITTERS FOR RF OVERLAY HEADENDS

271021	**TOR 3 GPON**	Professional optical transmitter: IN 47–1,000 MHz/OUT 1,550 nm DFB laser. Optical power 3 dBm. SC/APC	1
271020	**TOR 3 GPON FI**	Professional optical transmitter: IN 47–2,600 MHz/OUT 1,550 nm DFB laser. Optical power 3 dBm. SC/APC	1

GPON EDFAs FOR RF OVERLAY

310023	**EDFA 812**	8-way 1,550 nm optical amplifier + 1,490 nm and 1,310 nm multiplexer. Total optical power: 23 dBm. Optical power per port: 12.5 dBm	1
310010	**EDFA 816**	8-way 1,550 nm optical amplifier + 1,490 nm and 1,310 nm multiplexer. Total optical power: 27 dBm. Optical power per port: 16.5 dBm	1
310059	**EDFA 822**	8-way 1,550 nm optical amplifier + 1,490 nm and 1,310 nm multiplexer. Total optical power: 32 dBm. Optical power per port: 22 dBm	1
310011	**EDFA 1617**	16-way 1,550 nm optical amplifier + 1,490 nm and 1,310 nm multiplexer. Total optical power: 31 dBm. Optical power per port: 17 dBm	1
310060	**EDFA 1622**	16-way 1,550 nm optical amplifier + 1,490 nm and 1,310 nm multiplexer. Total optical power: 36 dBm. Optical power per port: 22 dBm	1
310022	**EDFA 3219**	32-way 1,550 nm optical amplifier + 1,490 nm and 1,310 nm multiplexer. Total optical power: 34 dBm. Optical power per port: 19 dBm	1



ONT 42P W6 with 2 POTS ports

WIFI 6



ONT 4 W6

4 PoE ports + 2 POTS



ONT 4 POE CP



ONT 8 POE



ONT 16 POE



RO 88 CWD



ONT 4 POE IN



BF 24 C



Heavy-duty sliding rack shelf

HEADEND BACKUP EQUIPMENT

312004	**UPS 1000**	1 kVA online UPS. AC/AC efficiency 92%. Power factor 0.9. 9-minute runtime. Display and 19-inch rack-mount format	1
312005	**PB UPS**	External battery pack	1
312006	**SNMP UPS**	SNMP control card	1

ONTs

310032	**ONT 2W**	GPON network terminal. 1 GE + 1 FE + 2 POTS + WiFi b/g/n 2.4 GHz	1
310017	**ONT 4 AC**	GPON network terminal. 4 GE + 2 POTS + WiFi b/g/n/ac 2.4/5 GHz	1
310052	**ONT 42P W6**	GPON network terminal. 4 GE + 2 POTS + WiFi b/g/n/ac 2.4/5 GHz	1
310049	**ONT 4 W6**	GPON network terminal. 4 GE + 1 POTS + WiFi 6 (3,000 Mbps)	1
310047	**ONT 4 POE CP**	GPON network terminal. 4 GE ports + 2 POTS. 48 V DC PoE out (max. 60 W). SC/APC connector	1
310048	**ONT 8 POE**	GPON network terminal. 8 GE ports. 48 V DC PoE out (max. 120 W). SC/APC connector	1
310058	**ONT 16 POE**	GPON network terminal. 16 GE ports. 48 V DC PoE out (max. 240 W). SC/APC connector	1

RF OVERLAY OPTICAL RECEIVERS

270004	**RO 88 CWD**	Active 1 GHz optical receiver, 1,550 nm + 1,490 nm / 1,310 nm mux. Optical level 2...-15 dBm (AGC 0...-12 dBm). Output level >80dBµV	1
270005	**RO 68 CWD**	Passive 1 GHz optical receiver, 1,550 nm + 1,490 nm / 1,310 nm mux. Optical level 0...-10 dBm. Output level >62dBµV	1
270006	**RO 65 FI CWD**	Passive 2.4 GHz optical receiver, 1,550 nm + 1,490 nm / 1,310 nm mux. Optical level 0...-10 dBm. Output level >60dBµV	1
270007	**RO 90 FI CWD**	Active 2.4 GHz optical receiver, 1,550 nm + 1,490 nm / 1,310 nm mux. Optical level 2...-15 dBm (AGC 0...-12 dBm). Output level >80 dBµV	1

INDUSTRIAL ONTs

310037	**ONT 4 POE IN**	Industrial GPON network terminal. 4 GE ports with 48 V DC PoE power (max. 60 W). Maximum operating temperature: 65°C	1
310029	**ONT IN**	Industrial GPON network terminal. 4 GE + 2 POTS + WiFi b/g/n/ac 2.4/5 GHz. 12 V DC power via terminals. SMA connectors for WiFi antennas in the 2.4 / 5 GHz bands. DIN-rail mounting	1
310030	**ANT-24**	2.4 GHz WiFi antenna for ONT IN	1
310031	**ANT-58**	5 GHz WiFi antenna for ONT IN	1

ONT BACKUP EQUIPMENT

312001	**UPS 16**	Backup unit for ONTs 16 W/h. LiPo batteries	1
312002	**UPS 32**	Backup unit for ONTs 32 W/h. LiPo batteries	1

RACKS AND ACCESSORIES *

Enquire about the full range of OPENETICS on p. 105

SLIDING FIBRE TRAYS FOR 19-INCH RACKS

361012	**BF 24 C**	24-port sliding tray with 24 simplex SC/APC adapters with dust caps. Adapters fitted. 1U	1/5
361013	**BF 48 C**	48-port sliding tray with 24 duplex SC/APC adapters with dust caps. Adapters fitted. 1U	1/5
361018	**BF 24 E**	24-port sliding tray with 24 fitted SC/APC simplex adapters. Fibre identifier. Dust cap. 1U	1/5

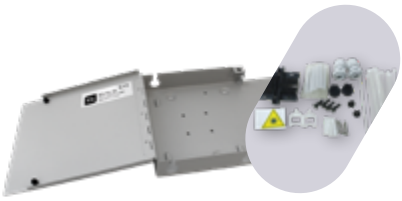


CFD 16

361019	**BF 48 E**	Sliding tray with 48 ports with 24 SC/APC duplex adapters. Fibre identifier. Dust cap. 1U	1/5
363001	OP **A SCAPC S**	SC/APC simplex adapter with mounting flanges	25/2000
363004	OP **A SCAPC D**	SC/APC duplex adapter with mounting flanges, spare part for BF 48 C	20/1000
363010	OP **T AD**	Bag of 48 screws for SC/APC adapters	1 bag
363011	OP **TP AD S**	Plug for unused SC connector aperture on telescopic tray front panel	1

Enquire about the full range of OPENETICS on p. 135

SPLICE/DISTRIBUTION ENCLOSURE



RS 24-12

361037	**EDD 8**	Splice/distribution enclosure with 8 fitted SC/APC adapters and 12-splice tray. IP65	1

OUTDOOR FTTH DISTRIBUTION BOX

361036	**CFD 16**	FTTH distribution box, IP65. Compatible with SCF-series splitters. Up to 16 outputs	1

SPLICE/DISTRIBUTION BOXES



ARS 12

361032	**RS 8-12**	Secondary distribution enclosure for 8 connectorised fibres or 12 spliced fibres. SC/APC adapters not included	1/10
361041	**RS 24-12**	Secondary distribution enclosure for up to 12 connectorised fibres or 24 spliced fibres. SC/APC adapters not included	1/20
361042	**ARS 12**	Panel with 12 fitted SC/APC adapters for RS 24-12	1/20
396023	**RP FO P**	Two-zone plastic cabinet for 48 SC/APC adapters. 4 trays for up to 48 splices. 2 doors	1/6

DISTRIBUTION BOXES WITH FITTED SPLITTER



RPG 32

396022	**RPG 32**	Two-zone plastic cabinet. 4 splice trays. 2 doors. Fitted SCF 32 splitter.	1
396024	**RPG 16**	Two-zone plastic cabinet. 4 splice trays. 2 doors. Fitted SCF 16 splitter.	1
396025	**RPG 8**	Two-zone plastic cabinet. 4 splice trays. 2 doors. Fitted SCF 8 splitter.	1

SPLITTERS / COMPACT SPLITTERS



SCF 32

366133	**SCF 2**	Modular fibre-optic splitter (cassette), 1 × 2, SC/APC connectorised. Occupies 1U in BSCFR frame	1
366134	**SCF 4**	Modular fibre-optic splitter (cassette), 1 × 4, SC/APC connectorised. Occupies 1U in BSCFR frame	1
366135	**SCF 8**	Modular fibre-optic splitter (cassette), 1 × 8, SC/APC connectorised. Occupies 1U in BSCFR frame	1
366136	**SCF 16**	Modular fibre-optic splitter (cassette), 1 × 16, SC/APC connectorised. Occupies 2U in BSCFR frame	1
366137	**SCF 32**	Modular fibre-optic splitter (cassette), 1 × 32, SC/APC connectorised. Occupies 4U in BSCFR frame	1
366139	**BSCFR**	Frame for mounting SCF splitters in a 19-inch rack	1
366138	**SSCF**	Simple wall-mount bracket for SCF splitters	1

SPLITTERS / PLC SPLITTERS



SP FO 16

366102	**SP FO 2**	1 × 2 connectorised optical-fibre PLC splitter, SC/APC	1/100
366104	**SP FO 4**	1 × 4 connectorised optical-fibre PLC splitter, SC/APC	1/100
366108	**SP FO 8**	1 × 8 connectorised optical-fibre PLC splitter, SC/APC	1/100
366116	**SP FO 16**	1 × 16 connectorised optical-fibre PLC splitter, SC/APC	1/100
366132	**SP FO 32**	1 × 32 connectorised optical-fibre PLC splitter, SC/APC	1/100
50625	N **50625**	2 × 4 connectorised optical-fibre PLC splitter, SC/APC	1/100
50626	N **50626**	2 × 8 connectorised optical-fibre PLC splitter, SC/APC	1/100
50627	N **50627**	2 × 16 connectorised optical-fibre PLC splitter, SC/APC	1/100
50628	N **50628**	2 × 32 connectorised optical-fibre PLC splitter, SC/APC	1/100

FIBRE-OPTIC CABLES



49823

49823	**49823**	Dielectric fibre-optic cable [9/125 µm] with 2 tight-buffered fibres, Dca, s2, d2, a1, yellow jacket, G-657A2 (505 m box)	505 m
49827	**49827**	2-fibre SM dielectric fibre-optic cable, 900 µm, Fca, for outdoor use, black jacket, G-657A2 FR-LSZH-UV (505 m box)	505 m
49825	**49825**	24-fibre dielectric optical cable with tight-buffered fibres, SM, multi-tube (2 fibres × 12 tubes), 900 µm LSZH Dca s2, d2, a2, yellow jacket, G-657A2	1
49826	**49826**	48-fibre tight-buffered SM dielectric fibre-optic cable, multi-tube (2 fibres × 24 tubes) 900 µm LSZH Dca s2, d2, a2, yellow jacket, G-657A2	1
360023	OP **CFO 24 ARM**	24-fibre armoured cable. 2 loose tubes of 12 fibres. 250D. SM G652D. Double jacket, black outer PE	1
360024	OP **CFO 48 ARM**	48-fibre armoured cable. 4 loose tubes of 12 fibres. 250D. SM G652D. Double jacket, black outer PE	1
360007	OP **CFC**	Cable or fibre cutting service. Includes reel	1
360015	OP **CPF**	Medium reel for optical fibre. Capacity up to 800 m (24 fibres) and 700 m (48 fibres)	1
360020	OP **CPF 2**	Small wooden reel	1



CFO 24 ARM

Enquire about the full range of OPENETICS on p. 131

PATCH CORDS



PCR 12 FEK
PCR 18 FEK
PCR 24 FEK

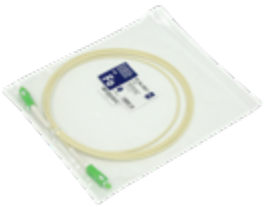
362001	E **PC SA 100**	Fibre patch cord with SC/APC connectors, 3 mm, 1 m	1/250
362005	OP **PC SA-200F**	3 mm patch cord with flexible SC/APC connectors. Length 2 m	1/250
362003	**PC SA-P 25**	Hybrid fibre patch cord with connectors SC/APC-SC/PC 3mm 25cm	1/250
362004	E **PC SA P-200**	3 mm hybrid patch cord with flexible SC/APC and SC/PC connectors. Length 2 m	1/250



PT 150

Enquire about the full range of OPENETICS on p. 132

PATCH CORDS WITH FLEXIBLE CONNECTORS / CPR Dca EK ROLLER +



PC SA-200F

361126	**PCR 12 FEK**	G657-A2 3 mm patch cord with flexible SC/APC connectors. Length 12 m. With pulling system at one end	1/16
361127	**PCR 18 FEK**	Patch cord G657-A2, 3 mm, with flexible SC/APC connectors. Length 18 m. With pulling system at one end	1/16
361128	**PCR 24 FEK**	G657-A2 3 mm patch cord with flexible SC/APC connectors. Length 24 m. With pulling system at one end	1/16

FIBRE PIGTAIL 0.9 mm

362021	OP **PT 150**	Fibre pigtail with SC/APC connector, 0.9 mm, 1.5 m	25

Enquire about the full range of OPENETICS on p. 135

UNLOADED OUTLETS AND FIBRE ADAPTERS



RT FO

361101	**RT FO**	Fibre termination outlet for SC/APC adapters. Adapters not included. Compatible with universal flush-mount boxes	1/25
363001	OP **A SCAPC S**	SC/APC simplex adapter with mounting flanges	50/2000
363002	OP **A SCAPC S W**	SC/APC simplex adapter without mounting flanges for SC KJ	50/2000
363003	OP **A SCAPC AD**	SC/APC simplex adapter with dust cap, without mounting flanges	25/2000
363011	OP **TP AD S**	Plug for unused aperture (when using a single adapter) in RT FO	100



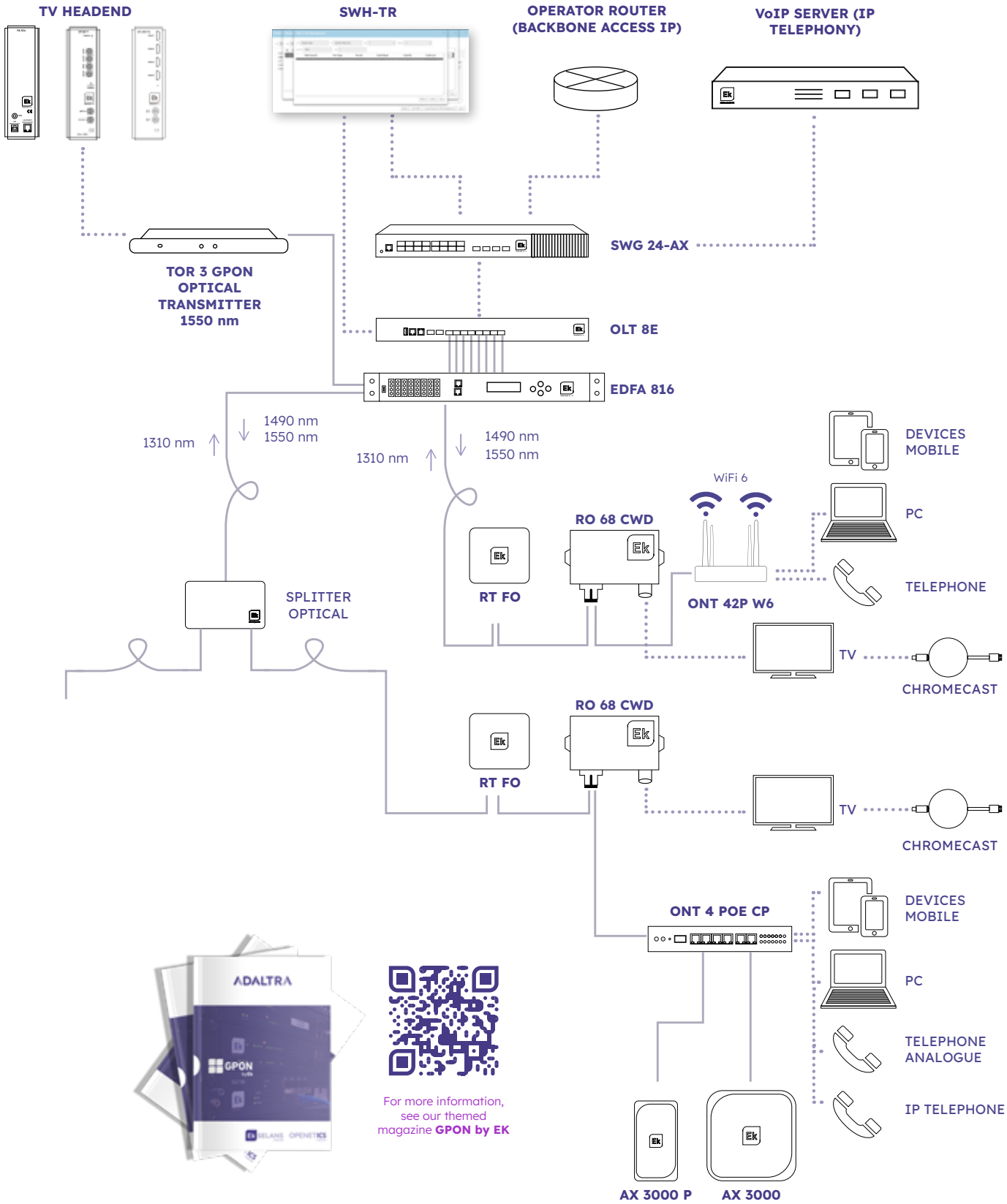
A SCAPC S



A SCAPC AD

GPON byEk

GPON BY EK: SOLUTION FOR FTTH/FTTR FIBRE-OPTIC NETWORKS



For more information, see our themed magazine **GPON by EK**

09

EKSELANS / ADALTRA

INSTRUMENTATION

METEK HDD



DD2400

DD2400	**DD2400**	Professional DVBT/T2 - S/S2- C field strength meter. Dolby DD+	1
241006	**C MTK**	Meter calibration	1
165011	**AFF HQ**	High-precision female F to female F adapter	25
240009	**FA MK**	Replacement charger	1
241004	**BLMK**	Replacement carry case. Includes a free EK driver	1
241005	**CNMK**	Replacement strap	1

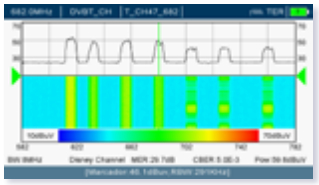


WITH DATA LOGGER INCLUDED*

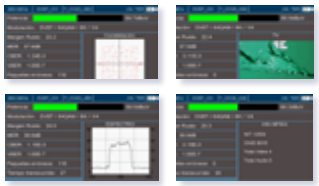
*Free update for EK customers



Main menu



Spectrogram. Identification of signal changes over time



Several screen combination modes

- Demodulation and analysis of DVB-S2 / S, DVB-T2 / T and DVB-C signals
- High-resolution 7-inch TFT-LCD display with automatic brightness adjustment
- High-quality DSP spectrum. Frequency range 50–2,200 MHz with 50 dB on-screen dynamic range
- HEVC (H265), H264 and MPEG2 decoding, SD and HD
- Dolby DD+
- Single input connector (male F) with fully automatic attenuator. Supports levels per channel up to 120 dBµV in 5 dB steps
- 2 navigation modes: programme / frequency
- Channel power, noise margin, MER, CBER, VBER, TS errors and constellation measurements
- 5 to 24 V power via RF connector, in 1 V steps
- Supports DiSEqC 2.0, SATCR and DCSS
- Special spectrum modes (Max Hold, spectrogram) for interference detection and LTE measurements
- Efficient, easy-to-use user interface
- Full TS recording to an external USB drive
- Battery life of up to 6 hours per charge
- Several information display modes: spectrum + TV decoding; spectrum information + image displayed simultaneously
- Standby mode for rapid start-up
- Navigation using multifunction wheel
- Screenshot capture to an external USB drive (dedicated button)
- Satellite support, standalone update via USB or FTP (WiFi)
- Firmware updates via USB or FTP (WiFi)
- Dimensions: 27 × 19 × 6 cm

10

EKSELANS / ADALTRA

EKOAX AND GIGAEKOAX. INTERNET VIA COAXIAL CABLE

EKOAX (INTERNET OVER COAXIAL)



IPC-BMH



IPC M300



IPC-M2



IPC-B MINI



MI RP



KIT IP



KIT IP-W

GIGAEKOAX



GIGABOX

1-MASTER HOME SOLUTION

250015	**IPC-BMH**	Mini-master module **plug&play** for extending WiFi and IPTV in the home. Transmission frequency 7.5 to 65 MHz. Output level 115 dBµV. 12 V DC plug-in power adapter included. Maximum connection: 6 × IPC-S / IPC-S2 / IPC-S3	1/80

PROFESSIONAL 1-MASTER SOLUTION

250003	**IPC-M2**	Master headend module for 1 Gbps data transmission - HDTV over coaxial cable. Terrestrial / cable channel combining. IPTV-compatible. Transmission frequency 7.5 to 65 MHz. Output level 120 dBµV. 12 V DC plug-in power adapter included	1
132001	**MI RP**	5–65 MHz / 85–2,150 MHz combiner / splitter	10/100

SUBSCRIBER UNIT

250013	**IPC-B MINI**	EKOAX slave module for receiving data over coaxial cable. RF in. 1 LAN port	1/80
250024	**IPC-S3**	EKOAX slave module for receiving data over coaxial cable. RF in / out. WiFi b/g/n 2.4 GHz, 4 LAN ports. 2 antennas. 300 Mbps	1/10

KIT IPTV EXTENDER

250028	**KIT GIGABOX**	Kit for extending IPTV and internet over coaxial cable, with Gbps capability	1
250022	**KIT IP**	Kit for extending IPTV over coaxial cable	1
250023	**KIT IP-W**	Kit for extending IPTV and WiFi over coaxial cable	1
250025	**KIT IP AC**	Kit for extending IPTV and WiFi AC over coaxial cable	1

EKOAX PLUS

250019	**IPC M300**	EKOAX PLUS master headend module for transmitting data over coaxial cable. RF combining. Frequency: 7.5–65 MHz. Output level: 115 dBµV. Self-powered, 230 V AC	1
250021	**IPC AC**	EKOAX PLUS slave module for receiving data over coaxial cable. RF in / out. WiFi b/g/n/AC 2.4/5 GHz, 4 LAN ports. 2 antennas. 300 Mbps (2.4 GHz) / 800 Mbps (5 GHz)	1/20
311008	**EK SOP**	EKOAX / EKOAX PLUS support and commissioning	1
311009	**ADALTRA CARE**	Maintenance service	1

GIGAEKOAX

250026	**GIGABOX**	Smart master/slave module for receiving data over coaxial cable. RF in/ out. Up to 16 devices. Transmission frequency: 5–100 MHz. 1 Gigabit port	1/20
132003	**MI RP GB**	Combiner / splitter for GIGAEKOAX. TV (120–2,150 MHz) / DATA (5–100 MHz). Through loss: 1 dB (TV) / 0.5 dB (DATA)	1/10/100

EKOAX PLUS INTERNET VIA COAXIAL CABLE

The EKOAX PLUS system from Ekselans by ITS has been specially designed to convert a coaxial network into a data network easily, enabling internet signals to be transmitted and received over the existing coaxial cable in a television installation, in most cases without any infrastructure work.

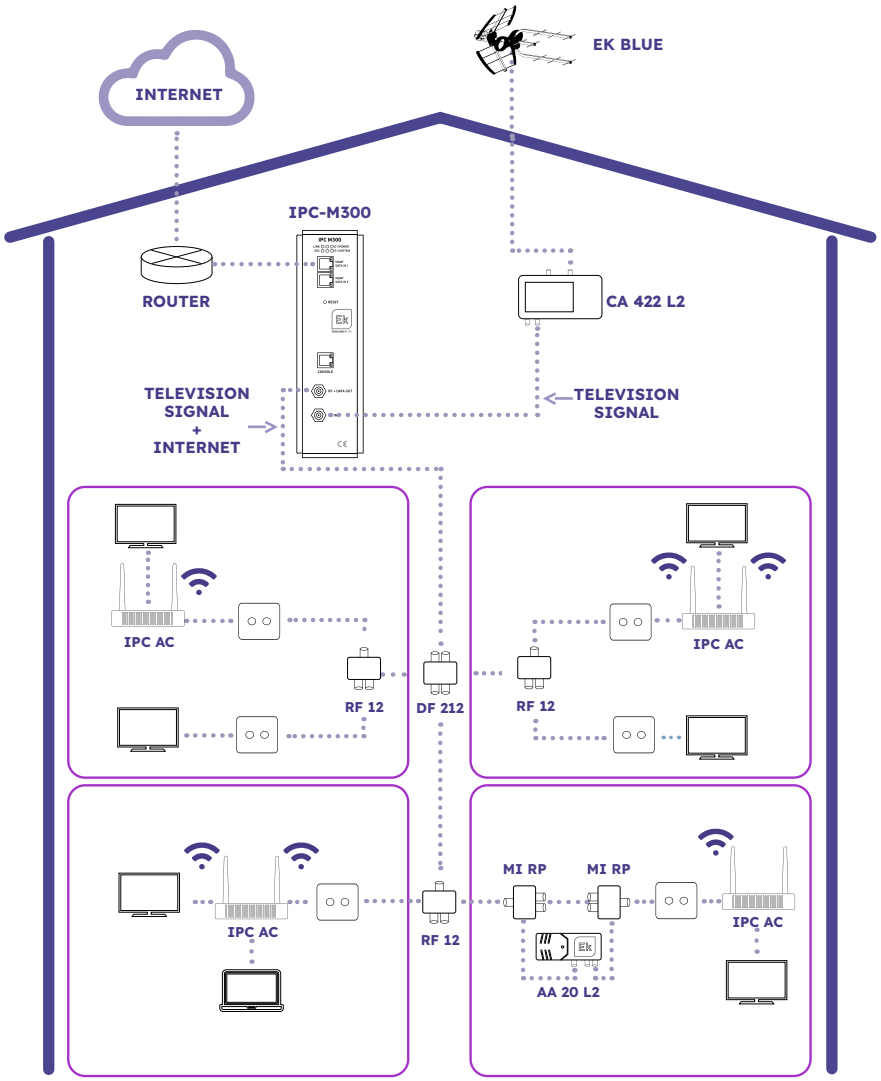
By simply adding a master unit at the headend (IPC-M300) and a subscriber unit (IPC24/IPCAC) at each point where internet access is required, the television installation can be upgraded to transmit IP data at high speed. The subscriber device also acts as a WiFi router, making it easy to create a high-quality wireless network wherever the IPC 24/AC is installed.

The IPCM300 features useful provisioning and control functions, such as applying WiFi configuration templates to network subscriber units. For subscriber equipment, EKOAX PLUS offers devices with 2.4 GHz WiFi (IPC-24) and dual-band 2.4 and 5 GHz WiFi (IPC-AC), with high-speed wireless communication.

EKOAX PLUS offers exceptional versatility for any type of installation: detached homes — for both internet/WiFi extension and operator IPTV extension — buildings, hotels, resorts... Wherever internet signals need to be distributed without additional cabling costs, EKOAX PLUS is the solution.

GIGAEKOAX THE EVOLUTION OF 1 Gbps COMMUNICATION OVER COAXIAL CABLE

GIGAEKOAX is next-generation technology that enables very-high-speed transmission over coaxial cables. The Gigabox is a smart device that can be installed as a master or slave, automatically detecting its function within the installation. With a maximum of 16 devices per installation (1 master + 15 slaves), Gigabox communicates in the 5 to 100 MHz band with a maximum true throughput of 1 Gbps.



NETWORK APPLICATIONS WiFi



01. Residential

02. Offices / SoHo

03. Hotels

04. Hospitals and health and social care

05. Industry

06. Schools and universities

07. Telemedicine services

08. Smart Cities

09. Streaming services

10. Parking areas

11. Public parks

WiFi RANGE PRODUCTS



WiFi ACCESS POINTS

EKCLOUD

EK CLOUD

CLOUDPRO

CLOUDPRO



MOBILE APPS



CONTROLLERS



SWITCHES



HOTSPOT



LAN CABLES AND ACCESSORIES

11

EKSELANS / ADALTRA

WiFi, SWITCHES, 4G ROUTERS & LAN CABLES

AX WIFISERIES



AX 3000



AX 8800

WIFI 6



AX 3000P



AX 3000 OLP



UC-AX



SWG 24-AX



SW10G 48-AXL3

For more information, see our AX RANGE themed magazine

WiFi ACCESS POINT SYSTEM

CEILING ACCESS POINTS

331019	**AX 3000**	WiFi 6 (802.11ax) 3,000 Mbps access point. 1G PoE input port + 1G/2.5G SFP uplink port. 48 V DC PoE IN / DC-IN.	1
331026	**AX 8800**	WiFi 6 (IEEE 802.aaAX) access point. Four dual-band radios, 8,642 Mbps. 5GE PoE input port + 2.5GE SFP uplink port. 48 V DC PoE IEEE 802.3bt/at/af and 54 V DC-IN. 10 spatial streams. Compatible with CloudPro and apps.	1

WALL ACCESS POINTS

331020	**AX 3000P**	WiFi 6 (802.11ax) 3,000 Mbps access point. 1 × 1GE PoE input port + 4 × GE ports (1 PoE output). 48 V DC PoE IN / DC-IN.	1

OUTDOOR ACCESS POINT

331021	**AX 3000 OLP**	WiFi 6 (802.11ax) 3,000 Mbps access point. 1G PoE input port + 1G/2.5G SFP uplink port. 1 console port. 48 V DC PoE IN / DC-IN	1

CONTROLLERS

331022	**UC-AX**	High-performance controller for WiFi networks. Up to 32 access points in the AX range (64 for reference AX 3000P).	1
331023	**UC AX L16**	16-licence expansion pack for the AX range (32 for reference AX 3000P).	1
331024	**UC AX L32**	32-licence expansion pack for the AX range (64 for reference AX 3000P).	1
331025	**UC AX L1128**	128-licence expansion pack for the AX range (256 for reference AX 3000P).	1

MANAGED PoE SWITCHES

334201	**SWG 24-AX**	Managed switch with 24 GE PoE+ ports and 4 SFP ports. IGMP snooping. Compatible with cloudPRO and apps.	1
331027	**SW10G 48-AXL3**	Managed switch with 48 10/100/1000 ports. 4 10GE SFP ports. PoE+ up to 405 W. IGMP snooping. Compatible with cloudPro and apps.	1

10 Gbps SFPs

310055	**SFP10G-MM**	SFP+ 10GBASE-SR, LC connector, 850 nm, multimode (MM), up to 300 m, 0° to +70°C	1
310056	**SFP10G-SM**	SFP+ 10GBASE-LR, LC connector, 1310 nm, single-mode (SM), up to 20 km, 0° to +70°C	1

Gbps SFPs

2187	**2187**	SFP 1000Base-SX, LC connector, 850 nm, multimode (MM), up to 550 m, 0° to +70°.	1
2186	**2186**	SFP 1000Base-LX, LC connector, 1310 nm, single-mode (SM), up to 20 km, 0° to +70°.	1

2.5 Gbps SFPs

310057	**SFP2G5-SM**	SFP 2.5G, LC connector, duplex fibre, 1310 nm, up to 20 km over single-mode (SM), 0° to +70°C	1

AX WIFISERIES

CLOUDPRO
EU-based cloud servers

MOBILE APPLICATIONS

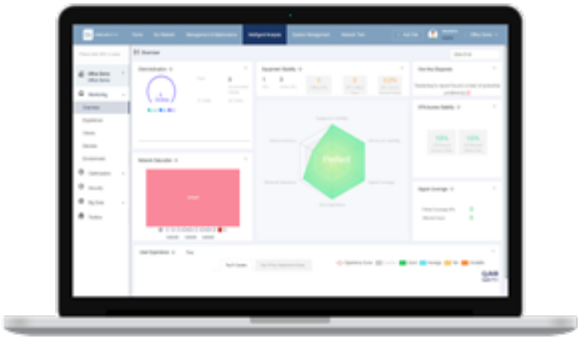
Manage your WiFi network quickly and easily with our iOS and Android apps



CLOUDPRO
EU-based cloud servers

UNIFIED W NETWORK MANAGEMENT PLATFORMiFi IN THE CLOUD

For more information:
www.ek.plus/



Enables real-time management of WiFi network design, deployment, configuration, operation and analysis



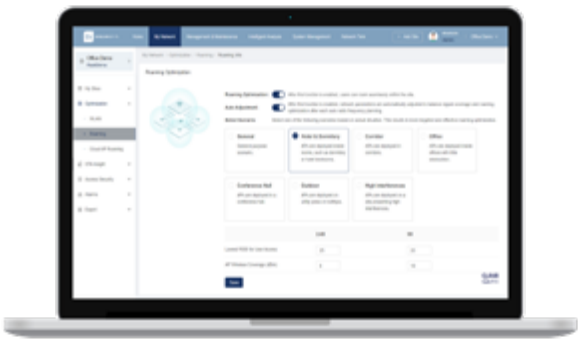
Includes a design and WiFi network planning tool (site survey and heat maps)



Remote monitoring and diagnostics of device connection status, configuration deployment, firmware updates, device restarts, ...



Automatic network provisioning option with auto-identification of the network topology



Network optimisation and smart roaming between devices



For more information, see our themed magazine
AX WiFi SERIES RANGE

TR WIFISERIES



ENHANCED FW

TR 300W6

WIFI 6



ENHANCED FW

TR 3000W6 OLP



UC MINI



UC TRB



POE 48



ODU LTE 4G

INDOOR ACCESS POINTS - PROFESSIONAL HIGH-CONCURRENCY TR SERIES

331017	**TR 3000W6**	WiFi 6 access point, 2.4 / 5 GHz. 3,000 Mbps (600 + 2,400 Mbps), 24dBm, WiFi 802.11 b/g/n/ac/ax 2 GE ports, 48 V PoE. Wave2. High concurrency	1/10

INDOOR ACCESS POINTS - PROFESSIONAL TR SERIES

331006	**TR 750**	2T2R access point, 2.4 GHz/5 GHz, 750 Mbps, 27 dBm, WiFi 802.11 b/g/n/ac, 2 ports, 48 V PoE. Wave2	1
331007	**TR 1200**	2T2R access point, 2.4 GHz/5 GHz. 1,200 Mbps, 30 dBm, WiFi 802.11 b/g/n/ac, 2 ports, 48 V PoE. Wave2	1

OMNIDIRECTIONAL OUTDOOR APs - PROFESSIONAL TR SERIES

331008	**TR 1200 OLP**	Omnidirectional outdoor access point. 27 dBm, 2 × 10/100/1000 ports, 1,200 Mbps. WiFi 802.11 b/g/n/ac. 2.4 / 5 GHz. 48 V DC PoE	1/10
331018	**TR 3000W6 OLP**	Omnidirectional outdoor access point. 27 dBm, 2 × 10/100/1000 ports, 3,000 Mbps. WiFi 6. 2.4 / 5 GHz. 48 V DC PoE	1/10

ONLINE CONTROLLERS - PROFESSIONAL TR SERIES

-	**CSW**	PC-installable control and provisioning unit. Offline version. Available at www.ek.plus/software	-
331009	**UC MINI**	Desktop-format control and provisioning unit. Powered from a PC or the included power adapter. Maximum 50 access points	1
331002	**UC TRB**	Desktop-format control and provisioning unit. Power adapter included. Maximum 300 access points	1
331003	**UC TR**	Modular CM-format control and provisioning unit. Maximum 300 access points	1
331010	**UC RACK**	19-inch rack-format control and provisioning unit. Maximum 300 access points	1

INDOOR ACCESS POINTS - AP SERIES

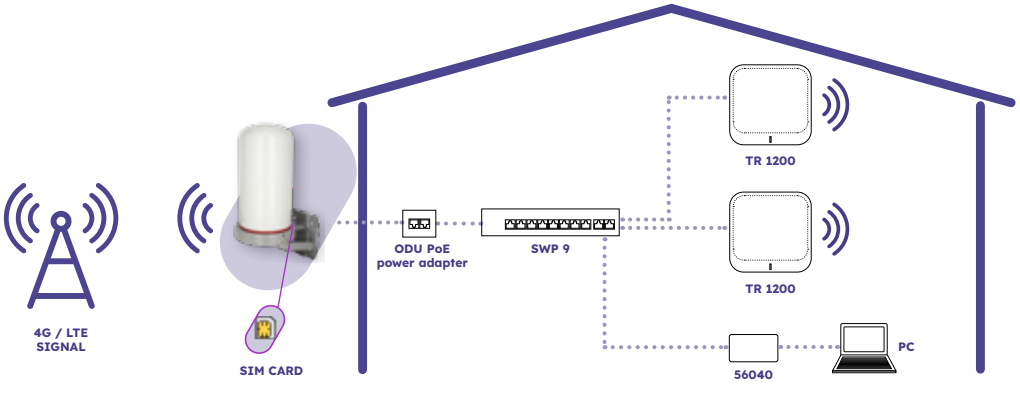
330004	**AP 300 LP**	2T2R access point, 2.4 GHz. 300 Mbps, 23 dBm, WiFi 802.11 b/g/n, 1 port, 24 V PoE, injector included	1/20

PoE INJECTORS

332001	**POE 24**	24 V DC/1 A PoE injector, 10/100 Mbps	1/100
332002	**POE 48**	48 V DC/0.5 A PoE injector, 10/100/1000 Mbps	1/90

OUTDOOR 4G ROUTER - ODU

333014	**ODU LTE 4G**	Omnidirectional outdoor LTE 4G Cat 16 router with bracket included. TDD downlink 700 Mbps, uplink 30 Mbps. FDD downlink 900 Mbps, uplink 150 Mbps. PoE input: 19 V/1.26 A. PoE power supply included	1/48



TR WIFI SERIES 2026:
greater simplicity, greater potential

The new firmware versions for the TR WiFi 2026 series, together with the complete overhaul of EK CLOUD, represent a major advance in deployment simplicity, configuration flexibility and operational efficiency.





/ Quick provisioning of new access points directly from the cloud.

/ Streamlined commissioning workflow compared with other solutions on the market.

/ Direct integration between EK CLOUD and TR range devices.

/ Significant reduction in installation and initial configuration times.

/ Create and apply configuration templates from the cloud platform.

/ Applicable to both individual devices and entire groups.

/ Centralised management streamlines changes and mass deployments.

/ Automatic verification that the configuration has been deployed correctly.

Software developed in Spain.

Technical support provided from Spain

One of the few European companies to design access points with proprietary software.

Greater technological control, closer support and reliability for the end customer.

SWITCHES



SWG 24 L2

MANAGED SWITCH

334200	**SWG 24 L2**	Layer 2+ Ethernet switch. 24 × Gb Ethernet ports + 4 × SFP. 1 Gbps. IGMP snooping.	1/5

PoE SWITCHES UNMANAGED



SWP 5

334001	**SWP 5**	4-port PoE switch. 10/100/1000 Mbps. PoE IEEE 802.3af/at. 1 × 10/100/1000 Mbps uplink port, 1 × SFP uplink port. 96 W	1/10
334002	**SWP 9**	8-port PoE switch. 10/100/1000 Mbps, PoE IEEE 802.3af/at. 2 × 10/100/1000 Mbps uplink ports, 120 W	1/10
334003	**SWP 26**	24-port PoE switch. 10/100/1000 Mbps. PoE IEEE 802.3af/at. 2 × 10/100/1000 Mbps uplink ports. 2 × SFP uplink ports	1/10

UNMANAGED GIGABIT SWITCHES



SWP 26

334100	**SW5 BP**	5-port Ethernet switch. 10/100/1000. Plastic housing	1/50
334103	**SW8 P**	8-port 10/100/1000 Ethernet switch. Plastic housing	1/50
334101	**SW8 M**	8-port Ethernet switch. 10/100/1000. Metal housing	1/50
334104	**SW16 M**	16-port Ethernet switch, 10/100/1000. 19-inch rack-mount	1/5
334102	**SW24 M**	24-port Ethernet switch. 10/100/1000. 19-inch rack-mount	1/5



SW8 P



SW16 M

EKROLLERXL



CLUR 6 CCA

STRUCTURED CABLING

Cat. 6 DATA CABLES COMPATIBLE WITH EK ROLLER

390017	**CLUR 6 CCA**	Cat. 6 U/UTP CCA CPR Eca LAN cable, 305 m wooden reel for EK ROLLER	305 10,980 21,960
390016	**CLUR 6 CCA 100**	Cat. 6 U/UTP CCA CPR Eca LAN cable, 100 m reel for EK ROLLER	400 7200 14400
390028	**CLUR 6N CCA**	Cat. 6 U/UTP CCA LAN cable, black PE, CPR Fca, 305 m reel for EK ROLLER	305 10.980 21.960

Cat. 6A DATA CABLES COMPATIBLE WITH EK ROLLER

390024	**CLUR 6AB**	White U/UTP Cat. 6A CPR B2ca CU LSZH data cable. 305 m wooden reel for EK ROLLER	305 10,980 21,960

Enquire about the full range of OPENETICS

INDUSTRIAL SWITCHES AND MEDIA CONVERTERS

MEDIA CONVERTERS*



MINIMCD-1GSC20K

314001	**MINIMCD-1GSC20K**	Mini industrial media converter, 10/100/1000 to 1000 Base-X, SM, SC connector, 20 km. Power supply not included.	1
314002	**MINIMCD-1GSFP**	Mini industrial media converter, 10/100/1000 to 100/1000 Base-X, SM, SFP connector. Power supply not included.	1
314003	**MINIMCD-1G-P60SFP**	Mini industrial media converter, 10/100/1000 to 100/1000 Base-X SFP, 60 W PoE output. Power supply not included.	1
314004	**MINIMCD-1G-P90SFP**	90 W mini industrial PoE media converter, 1 × 1000BASE SFP port + 1 × 10/100/1000BASE-T port with PoE 802.3bt, SC fibre port, single-mode, 1310 nm, 20 km. Power supply not included.	1
314005	**INPD-1G60**	60 W industrial 1.25G PoE++ injector, 12~48 V DC input. Power supply not included.	1
314006	**MINIMCD-10GSFP**	10G Base-T to 10G Base-R media converter, SFP+ ports. SFP+ modules not included.	1
314012	**MC-1G-P30-20K**	PoE injector, 1 × RJ45, 1 × SC, 10/100/1000 Mbps, IEEE 802.3at, PoE+ power: 30 W, duplex single-mode fibre, 20 km.	1



INPD-1G60 mounted on a DIN rail



MINIMC-1GSC20K



MICROMC-1GSC20K

314007	**MINIMC-1G-P6020K**	60 W mini industrial PoE media converter, 1 × SC 1000BASE port + 1 × 10/100/1000BASE-T port, single-mode, 20 km, DIN-rail mounting.	1
314008	**MINIMC-1G-P9020K**	90 W mini industrial PoE media converter, 1 × SFP 100/1000BASE-X port + 1 × 10/100/1000BASE-T port. SFP module not included. DIN-rail mounting. Power supply not included.	1
314009	**MICROMC-1GSC20K**	Micro media converter, 10/100/1000Base-Tx to 100/1000Base-Fx SC, single-mode, 20 km.	1
314010	**MICROMC-1GSFP**	Micro media converter, 10/100/1000Base-T to 100/1000Base-X, with SFP slot.	1
314011	**MINIMC-1GSC20K**	10/100/1000Base-T to 1000Base-F SC media converter, single-mode, 20 km.	1

Enquire about the full range of OPENETICS on p. 136
*Available to order (20-day lead time)

UNMANAGED GIGABIT SWITCHES*



MicroMC-1GSFP



SWD 5P-1G



SWD 4P-20K

334601	**SWD 5-1G**	5-port mini industrial Gigabit Ethernet switch, 10/100/1000T. Power supply not included.	1
334602	**SWD 10-1G**	10-port mini industrial Gigabit Ethernet switch, 10/100/1000T. Power supply not included.	1
334603	**SWD 4-20K**	Industrial Ethernet switch, 1 × 1000BASE SC port + 4 × 10/100/1000BASE-T ports, SC fibre port, single-mode, 1310 nm, 20 km. Power supply not included.	1
334604	**SWD 8-20K**	Industrial Ethernet switch, 1 × 1000BASE SC port + 8 × 10/100/1000BASE-T ports, SC fibre port, single-mode, duplex fibre. Power supply not included.	1
334501	**SWD 5P-1G**	Mini industrial PoE switch with 4 × 10/100/1000BASE-T 802.3at ports + 1 × 10/100/1000T port. Power supply not included.	1
334502	**SWD 10P-1G**	Mini industrial PoE switch with 8 × 10/100/1000T 802.3at ports + 2 × 10/100/1000T ports. Power supply not included.	1
334503	**SWD 4P-20K**	Industrial PoE switch, 1 × 1000BASE SC port + 4 × 10/100/1000BASE-T ports, 30 W, IEEE 802.3at, SC fibre port, single-mode, 1310 nm, 20 km. Power supply not included.	1
334504	**SWD 8P- 20K**	Industrial PoE switch, 1 × 1000BASE SC port + 8 × 10/100/1000BASE-T ports, 30 W, IEEE 802.3at, SC fibre port, single-mode, 1310 nm, 20 km. Power supply not included.	1
334605	**SWD 16P-4SFP**	Industrial switch with 16 × 10/100/1000Base-TX ports and 4 × 1000Base-FX ports. Power supply not included.	1

*Available to order (20-day lead time)

MANAGED GIGABIT SWITCHES*



SWD 10P-1G



SWD 8P-20K

334401	**SWG 8-2SFP**	Standalone Layer 2+ industrial Ethernet switch, 8 × 10/100/1000T ports + 2 × 1000X SFP ports. Power supply not included.	1
334402	**SWG 8P-2SFP**	Layer 2+ industrial PoE Ethernet switch, 8 × 10/100/1000T 802.3at ports + 2 × 1000X SFP ports. Power supply not included.	1
334403	**SWG 16-4SFP**	Layer 2+ industrial switch with 16 × 10/100/1000Base-T ports + 4 × 1000Base-X SFP ports. 10/100/1000 Mbps RJ45 ports with full/half duplex, auto-negotiation and Auto MDI/MDIX. Simple management via USB-C. Power supply not included.	1
334404	**SWG 16P-4SFP**	Layer 2+ industrial PoE switch with 16 × 10/100/1000Base-T ports + 4 × 1000Base-X SFP ports. 10/100/1000 Mbps RJ45 ports (full/half duplex, auto-negotiation, Auto MDI/MDIX), IEEE 802.3af/at. DIP: VLAN, ring management, PoE restart and PoE range up to 250 m. Power supply not included.	1

*Available to order (20-day lead time)



FACD 2424W



FACD 4875W

POWER SUPPLIES*			
336003	**FACD 2424W**	DIN-rail power supply, 24 W/24 V, 1 A	1
336004	**FACD 4875W**	DIN-rail power supply, 75 W/48 V, 1.6 A	1
336005	**FACD 48120W**	DIN-rail power supply, 120 W/48 V, 2.5 A	1
336006	**FACD 48240W**	DIN-rail power supply, 240 W/48 V, 5 A	1
336007	**FACD 48480W**	DIN-rail power supply, 480 W/48 V, 10 A	1

*Available to order (20-day lead time)

INDUSTRIAL SFP TRANSCEIVERS			
310053	**SFP125-MM**	Gigabit Ethernet SFP module (1.25 Gb/s), 1000 BASE-SX, LC connector, duplex fibre, 850 nm; 550 m over 50 µm multimode fibre, 220 m over 62.5 µm multimode fibre, -40 to 85°C.	1
310054	**SFP125-SM**	Gigabit Ethernet SFP module (1.25 Gb/s), 1000 BASE-LX/LH, LC connector, duplex fibre, 1310 nm, 20 km over standard single-mode fibre, -40 to 85°C.	1



- **Compact industrial design:** Form factor suitable for DIN-rail installations or confined spaces.
- **Broad compatibility:** 10/100/1000Base-T to 1000Base-X media conversion (SC or SFP), suitable for multimode and single-mode optical-fibre networks.*
- **Advanced PoE support:** Models with PoE and PoE+ output up to 90 W, compatible with IEEE 802.3af/at/bt and ideal for powering cameras, access points or industrial sensors.*
- **Long reach:** Data transmission over single-mode optical fibre up to 20 km, ideal for connecting devices over long distances.*
- **Extended temperature range:** Stable operation in extreme environments, from -40 °C to +80 °C.*
- **Reliability and ruggedness:** Electronics protected against overloads, voltage spikes and the adverse conditions typical of industrial environments.

* Depending on model

APPLICATION ENVIRONMENTS

INDUSTRIAL AUTOMATION

IP VIDEO SURVEILLANCE

SMART CITIES AND IoT

TRANSPORT AND INFRASTRUCTURE

12

EKSELANS / ADALTRA

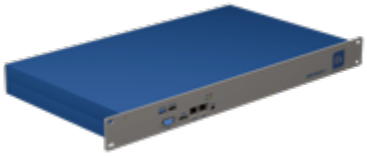
HOTSPOT



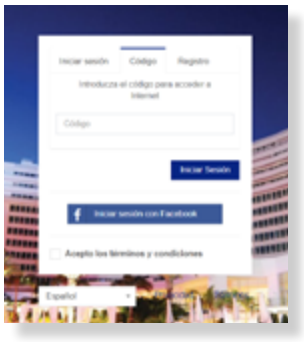
HS BASIC



CM HS



HS RACK









HOTSPOT by EK

280025	**HS BASIC**	Professional HotSpot with captive portal and network auditing solution. Maximum 50 concurrent users. Power supply included	1
280024	**CM HS**	Professional HotSpot with captive portal and network auditing solution. Compatible with CM headend	1
390011	**HS RACK**	Professional HotSpot with captive portal and network auditing solution. 19-inch rack-mount format for 400 users	1
390021	**HS RACK +**	Professional HotSpot with captive portal and network auditing solution. 19-inch rack-mount format for 400 users	1
390031	**HS 2.5**	Professional HotSpot with captive portal and network auditing solution. 19-inch rack-mount format for 1,000 users	1
390027	**HS 10G+**	Professional HotSpot with captive portal and network auditing solution. 19-inch rack-mount format for 2,000 users	1
280104	**AUD +**	Optional software module for advanced captive portal and network auditing	1
280058	**IPMS**	Graphical configuration interface for PMS connection via Char	1
311008	**EK SOP**	Installation support and commissioning	1
311009	**ADALTRA CARE**	Maintenance service	1

PROFESSIONAL CAPTIVE PORTAL AND NETWORK AUDITING SOLUTION

The Ekselans by ITS professional HotSpot has been designed for installation in business and hospitality environments, as well as on any public WiFi network requiring user authentication and activity logging.

Using a simple configuration process, the installer can define all the parameters required to offer various authentication methods on WiFi networks (direct registration, verified email, tickets with predefined passwords, social networks, etc.). The system also enables user profiles to be defined for assigning connection times and speeds.

In addition to the captive portal, HotSpot by EK offers a powerful network auditing system for analysing internet usage statistics by connection and logging and storing the activity of the various users connected to the WiFi network (device identification, domains visited, connection times, etc.), all in strict compliance with current lawful interception and data protection regulations under the 2018 GDPR

Captive portal

- Simple configuration of the user welcome page
- Several access methods: direct registration, tickets with customised passwords, social networks (Facebook)
- Option to define access fields (name, nationality, room, email, etc.)
- User email verification for access
- Set bandwidth and maximum connection time per session
- Creation of allowlists
- Option to connect a ticket printer for printing passwords

Network auditing

- Activity logging for users connected to the WiFi network
- Internal storage of the device MAC address, domains visited, connection times for each, etc.
- Internet resource usage statistics by user
- Option to set up an **external backup** in the cloud (Dropbox, Google Drive, etc.)
- In strict compliance with the new lawful interception and data protection regulations

PMS integration

- Option to integrate the HotSpot with the hotel PMS via the CHAR system

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EKSELANS / ADALTRA

SENSORS, IoT



MPD



CPM



SCO



STH

LoRa SOLUTION SENSORS SONDEK

420001	**HRD**	LoRa IoT node. Central unit for receiving data transmitted by MPD	1
422000	**MPD**	LoRa sensor node with connector for external probes. Temperature, humidity and atmospheric pressure sensor included.	1
421000	**STH**	Modular temperature and humidity probe. Includes 1.5 m connection cable	1
421003	**SCO2**	Modular carbon dioxide (CO2) probe. CO2+T+H+Pressure. Includes 1.5 m connection cable.	1
421004	**SCO**	Modular carbon monoxide (CO) probe. Includes 1.5 m connection cable	1
421005	**SO2**	Modular oxygen (O2) probe. O2+T+Pressure. Includes 1.5 m connection cable.	1
421006	**STC**	Modular contact temperature probe. Includes 1.5 m connection cable	1
421007	**CPS**	Sondek protective enclosure for outdoor installation	1
422001	**CPM**	Door/window contact	1
420002	**MRL**	LoRa repeater module	1

* Duration will vary depending on the modular probe fitted.

SONDEK NODOIoT

SONDEk. Professional sensor system for residential, industrial and hospitality environments

The sensor system **SONDEk** enables the creation of a technology infrastructure in a building, regardless of its purpose, to monitor various environmental and consumption parameters with the aim of improving habitability, energy efficiency and environmental well-being.

SONDEk comprises various detectors designed to capture and measure a wide range of environmental parameters: carbon dioxide (CO2), carbon monoxide (CO), oxygen (O2), temperature, humidity and atmospheric pressure. Their main function is to collect accurate information on these variables and transmit it in real time via LoRa® technology to the various modular nodes (MPD), which in turn communicate with a central gateway (HDR - IoT Node). It is this **IoT Node** that securely stores all environmental data so that data analysis can identify patterns and enable preventive or corrective action, even automatically.

The sensors **SONDEk** have been designed for easy installation. Among other benefits, they feature an automatic pairing system with the modular node and a procedure for automatically configuring measurement transmission cycles. The IoT Node (HRD) stores data locally in real time, with the option to communicate with a cloud system. It also provides access to the infrastructure of cities (Smart Cities) that have implemented building metadata analysis.

APPLICATION ENVIRONMENTS

RESIDENTIAL BUILDINGS

HOTELS AND TOURIST COMPLEXES

HOSPITALS AND HEALTH AND SOCIAL CARE SECTOR

FACTORIES AND INDUSTRIAL BUILDINGS

SUPERMARKETS

AGRICULTURE

PUBLIC SPACES

BENEFITS OF SONDEK SENSORS

- LoRa® technology
- Low power consumption
- Long battery life (between 5 and 8 years)
- High interference tolerance
- High receiver sensitivity (-136 dBm)
- Long range (max. 20 km)

WiFi TEMPERATURE CONTROLLERS SONDEk



CP 200W

428000	**CP 100W**	Panel-mount WiFi temperature controller for refrigeration systems. Includes 1 probe and 1 relay	1/50
428001	**CP 200W**	Panel-mount WiFi temperature controller for refrigeration systems. Includes 2 probes and 3 relays	1/50

SONDEK THERM

The range of **WiFi controllers** SONDEK THERM has been specially designed to monitor and manage any type of industrial refrigeration and freezing equipment.

Temperature control systems have a wide range of applications and play an essential role in various sectors, ensuring the optimum operation of their activities and production processes. These sectors range from the food industry to the pharmaceutical industry, as well as the chemical and petrochemical industries. In each sector, adapting equipment to specific requirements is crucial, with refrigeration and/or freezing cycles tailored to each need while optimising energy consumption and minimising environmental impact.

SONDEK THERM comprises two compact panel-mount controllers that fit the standard slots (2.8 cm high × 7.0 cm wide) of any refrigeration unit: shelves, counters, display cabinets and refrigerated islands, wall-mounted and semi-wall-mounted display cabinets, cabinets and freezer rooms, etc., and even electrical panels.



CP 100W:

Basic model with 1 probe and 1 relay



CP 200W:

High-capacity model with 2 probes and 3 relays, ideal for applications requiring high load-switching capacity

APPLICATION ENVIRONMENTS

SUPERMARKETS AND HYPERMARKETS

HOTELS

RESTAURANTS

HOSPITALS

PHARMACEUTICAL INDUSTRY

REFRIGERATED TRANSPORT

FOOD INDUSTRY

INDUSTRY CHEMICAL



Download Ek SMART



421001	**WS CO2 EK**	CO2 sensor (smoke detector). Operation: stand-alone or WiFi, managed via the “EK Smart” app. Batteries included	1
421002	**WS H1 EK**	CO sensor (carbon monoxide). Stand-alone or WiFi operation, managed via the “EK Smart” app. Batteries included	1



WS CO2 EK



WS H1 EK

APPLICATION ENVIRONMENTS

RESIDENTIAL

SUPERMARKETS AND HYPERMARKETS

HOTELS

RESTAURANTS

HOSPITALS

FEATURES OF SONDEK CO2 AND CO SENSORS

- Real-time alert notifications via the EkSmart app
- Easy installation with no wiring
- Stand-alone operation
- High Accuracy and Reliability

SONDEK DETECTORS

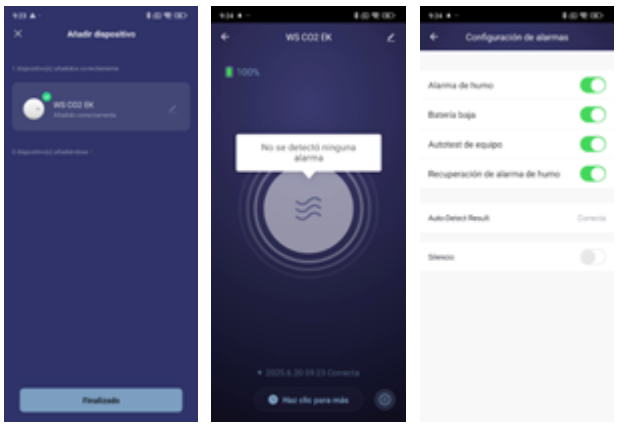
The family **SONDEK DETECTORS** comprises advanced environmental sensors for detecting critical threats such as carbon monoxide (CO) and carbon dioxide (CO2).

The model **WS CO2 EK** uses photoelectric and self-test technology to detect smoke (carbon dioxide).

In turn, the **WS H1 EK** features a high-precision electrochemical sensor, complemented by temperature compensation technology, for reliable carbon monoxide detection.

Both devices operate on long-life batteries (approximately 5 years), require no wiring and operate either stand-alone or connected to the WiFi network for remote access via the EkSmart mobile app.

Compliant with EN 14604 and EN 50291, they ensure maximum quality, reliability and safety.



Download Ek SMART

14

EKSELANS / ADALTRA

VIDEO DOOR ENTRY & ACCESS CONTROL SYSTEMS

ACCESS CONTROL



SW CCA+

MIFARE

CCA+





LCA MINI + SCA LCA

Use of LCA MINI with an existing video door entry system

370001	**CCA**	Controller with AC/DC power input. AC or DC power output for the electric door release	1
370005	**CCA +**	Controller with AC/DC power input. AC or DC power output for the electric door release. Up to 5,000 users. SD card backup. New Windows PC software available	1
370021	**CCA +W**	Access controller with AC or DC power output for the electric door release. Up to 5,000 users. Windows PC software with entry management using time schedules and access cards	1
-	**SW CCA+/W**	CCA+ / CCA+W configuration software for installation on a PC. Available at www.ek.plus/software	-
370002	**LCA**	Mifare-type RFID card reader (13.56 MHz). Powered from the controller. IP66 rating	1
370019	**LCA MINI**	Mini Mifare-type RFID card reader (13.56 MHz). Powered from the controller. IP66 rating	1
370020	**S LCA**	Bracket for LCA MINI	1
371001	**RF KEY**	Mifare-type RFID key	5
13/ 19500	**VICD-30-12**	12 V DC/2 A power supply. For DIN rail	1

2-WIRE VIDEO DOOR ENTRY SYSTEM FOR MULTI-DWELLING BUILDINGS



PE 2B



PE 8B



PCD-E + VE-AI



PD

321009	**PE 2B**	Entrance panel with 2 push buttons. Surface installation. Includes rain hood	1
321010	**PE 4B**	Entrance panel with 4 push buttons. Surface installation. Includes rain hood	1
321011	**PE 6B**	Entrance panel with 6 push buttons. Surface installation. Includes rain hood	1
321012	**PE 8B**	Entrance panel with 8 push buttons. Surface installation. Includes rain hood	1
321008	**PCD-E**	Digital entrance panel with Mifare RFID access control. Non-polarised two-wire system	1
321015	**PCD-E-B**	Digital entrance panel with Mifare RFID access control. Non-polarised two-wire system. Black	1
321014	**PD**	Directory panel. Black	1
321004	**CE PCD**	Flush-mount box for PCD-E or PD	1
321007	**VE-AI**	Stainless-steel protective rain hood for PCD-E or PD entrance panel	1
321005	**VPS**	Plastic protective rain hood for surface installation of PCD-E or PD entrance panel	1
371001	**RF KEY**	Mifare-type RFID key	5
323002	**PFA 2420**	Power adapter with integrated two-wire bus	1
323003	**DPL-4**	Floor distributor for 4 monitors	1
323004	**DPL-4F**	End-of-line distributor for 4 monitors	1
320003	**MON 43V**	4.3" colour indoor monitor. Hands-free	1
320005	**MON 43W**	4.3" colour indoor WiFi monitor. Hands-free	1
320004	**UAD**	Audio-only unit. Hands-free	1
323006	**EXT 32**	Extension and regeneration unit. Required for installations with more than 32 addresses / monitors	1
323007	**PFA 2425**	24 V DC/2.5 A DIN-rail power supply for EXT 32	1
325001	**CVP 2**	2-wire 0.5 mm cable². 250 m reel. Floor cabling	1/4
325002	**CVP 2-1,5**	2-wire 1.5 mm cable². 200 m reel. Trunk network / long distances	1/4





Answer calls from a smartphone

MON 43V · MON 43W



DPL-4 / DPL-4F



PFA 2420

Access control system with RFID cards

The range of RFID controllers and readers is designed to provide security, flexibility and straightforward access management in all types of installations: residential buildings, offices, industrial sites,...

Our systems can operate in standalone mode or be integrated with anyexisting door entry or video door entry system on the market, ensuring full compatibility and straightforward installation.

With solutions ranging from basic, compact devices to controllers with advanced management via WiFi and integrated backup, our devices are suitable for countless projects.



CONTROLLERS

Cloud



CCA

- / Basic controller.
- / Easy to configure and ready for immediate use.
- / Wide input voltage range (AC/DC)
- / Compatible with existing installations/locks



CCA+

- / Greater capacity for managing users and permissions.
- / SD card backup
- / Up to 5,000 users
- / Auto-joint system
- / Monitoring and configuration from a PC.



CCA+ W

- / Advanced controller with management via WiFi.
- / Access configuration and management according to time schedules
- / Integrated backup and event log.
- / Monitoring and configuration from a PC.



Download the configuration software for the CCA+ / CCA+W for installation on a PC. www.ek.plus/software

READERS



LCA

- / Mifare RFID reader
- / Easy to install and compatible with all controllers
- / Powered by the controller unit
- / IP66 rating



LCA MINI

- / Mini Mifare RFID reader.
- / Powered by the controller unit
- / Enables discreet integration into doors, door entry and video door entry systems

MIFARE KEY



RF KEY

- / Mifare technology.

EK VIDEO DOOR ENTRY. General features

2-wire non-polarised system

Stainless-steel digital entrance panel with high-quality colour camera

New panels with push buttons

Automatic low-light detection system

Compatible with external push button

LCD screen with a simple, intuitive directory

Monitor call volume adjustment

× 4 + × 32

Up to four outdoor panels and up to 32 users (max. 64 indoor units)

x 32

Extension unit for more than 32 monitors

Monitoring function. The street can be viewed without a prior call.

Easy to install and programme

Integrated MIFARE access control

Branch or cascade installation option

Suitable for retrofit installation using existing cabling

SD

SD card slot

Option for additional CCTV cameras

WiFi monitor. Call forwarding to a smartphone



ENTRANCE PANEL (PCD E) WITH PLASTIC RAIN HOOD (VPS) FOR SURFACE INSTALLATION



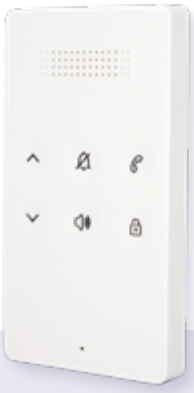
ENTRANCE PANEL (PCD-E-B) FOR SURFACE INSTALLATION



DIRECTORY PANEL



HANDS-FREE INDOOR UNIT WITH 4.3" COLOR SCREEN.
TWO OPTIONS: WITH AND WITHOUT WI-FI CONNECTION FOR CALL ANSWERING WITH A SMARTPHONE.



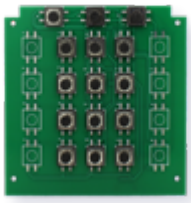
HANDS-FREE AUDIO-ONLY INDOOR UNIT



PE 1BM



WiFi DEMO CASE



TPE



CPC

SINGLE-DWELLING 2-WIRE VIDEO DOOR ENTRY KITS

322003	**KIT HOME**	Single-dwelling kit. Includes 2-wire entrance panel with Mifare access control. 4.3-inch hands-free colour monitor with bracket. DIN-rail power supply. Expandable to up to 4 monitors and 2 entrance panels.	1
322004	**KIT HOME WIFI**	Single-dwelling WiFi kit. Includes 2-wire entrance panel with Mifare access control. 4.3-inch hands-free colour monitor with bracket. WiFi connection for call forwarding and unlocking via smartphone. DIN-rail power supply. Expandable to up to 4 monitors and 2 entrance panels.	1

ENTRANCE PANEL WITH 1 PUSH BUTTON

321013	**PE 1BM**	Entrance panel with 1 push button. Surface installation. Includes rain hood	1

DEMONSTRATION CASES

324005	**DEMO CASE**	Multi-dwelling kit demo case. Plug & play	1
324007	**WiFi DEMO CASE**	Multi-dwelling KIT demo case with WiFi monitor. Plug & play	1

VIDEO DOOR ENTRY SPARE PARTS

325003	**CPL**	PCD-E housing + reader + microphone + loudspeaker	1
325004	**PPP**	Complete PCD-E circuit. Includes display.	1
325005	**TPE**	PCD-E keypad	1
325006	**DLP**	Detector + PCD-E LEDs	1
325007	**CPC**	PCD-E camera	1
325008	**FAP**	PCD-E aluminium front panel	1
325009	**FAPN**	Black aluminium PCD-E front panel	1

KITHOME KITHOMEWIFI



Call answering from a smartphone

- Video door entry kits for single dwellings
- Non-polarised 2-wire installation
- Entrance panel with camera, push button and Mifare access control
- 4.3-inch hands-free colour monitor with bracket
- Power supply for DIN-rail installation
- Expandable to up to 4 monitors and 2 entrance panels
- WiFi connection for call forwarding and unlocking via a smartphone using the EK SMART application (KIT HOME WIFI)

Download Ek SMART

CPR. Classification of Euroclasses

The European Union has created a single, uniform classification criterion to define the fire reaction performance of cables. To this end, seven Euroclasses have been established, ranging from highest to lowest fire resistance.

Ca
Fire spread and heat emission performance

A_{ca}	**No reaction to fire**
$B1_{ca}$	**Very low reaction to fire**
$B2_{ca}$	**Minimal reaction to fire**
C_{ca}	**Low reaction to fire**
D_{ca}	**Moderate reaction to fire**
E_{ca}	**Basic reaction to fire**
F_{ca}	**Without determination**

s (s1 / s2 / s3)
Smoke production

d (d0 / d1 / a1)
Particle fall

a (a1 / a2 / a3)
Acidity & conductivity

BENEFITS CODE

The designation of the fire reaction characteristics of cables is based on a code that indicates their performance. This code specifies the Euroclass and, if applicable, additional classifications.

s

Information on the opacity of the smoke emitted

- **s1** Low smoke production and slow smoke spread
  - s1a Transmittance >80%
  - s1b Transmittance >60% and <80%
- **s2** **Medium smoke production and spread**

d

Information about the dripping of incandescent material during the fire

- **d0** No drops and no inflated particles
- **d1** No drops or inflated particles lasting longer than 10 seconds
- **d2** None of the above

a

Information on acid gas emissions during the fire

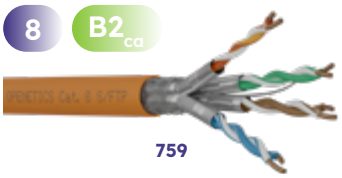
- **a1** Conductivity < 2,5 µS/mm y pH > 4,3
- **a2** Conductivity< 10 µS/mm y pH > 4,3
- **a3** None of the above

15

OPENETICS / ADALTRA

STRUCTURED COPPER CABLING SYSTEMS

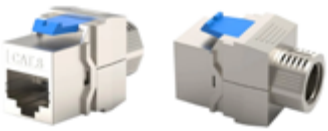




759



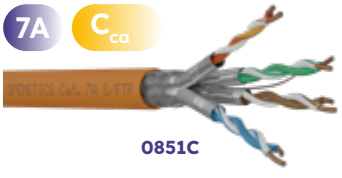
67502



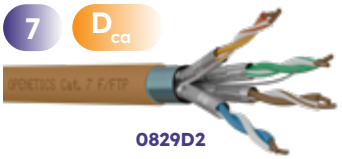
5849



2238



0851C



0829D2



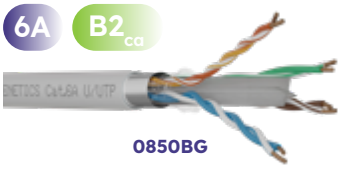
2233

CODE	REFERENCE	DESCRIPTION	PACK QUANTITY
CAT. 8 COPPER CABLES			
CAT. 8 S/FTP LSZH CABLES		500 m reels available with EKROLLERXL	
759	**759**	Cat. 8 S/FTP solid LSZH B2ca, s1a, d1, a1 cable on a 500 m reel, orange	500 m
CAT. 8 COPPER PATCH CORDS			
CAT. 8 S/FTP LSZH PATCH CORDS			
67501	**67501**	Cat. 8 S/FTP LSZH patch cord, 1 m, orange	10
67502	**67502**	Cat. 8 S/FTP LSZH patch cord, 2 m, orange	10
67503	**67503**	Cat. 8 S/FTP LSZH patch cord, 3 m, orange	10
67505	**67505**	Cat. 8 S/FTP LSZH patch cord, 5 m, orange	5
67510	**67510**	Cat. 8 S/FTP LSZH patch cord, 10 m, orange	1
CAT. 8 CONNECTORS			
CAT. 8 FEMALE CONNECTORS			
5849	**5849**	Shielded female RJ45 Cat. 8 slim tool-free connector	1
CAT. 8 MALE CONNECTORS			
2238	**2238**	Shielded male RJ45 Cat. 8 tool-free connector	10
CAT. 7A COPPER CABLES			
CAT. 7A S/FTP LSZH CABLES		500 m reels available with EKROLLERXL	
0851C	**0851C**	Cat. 7A S/FTP solid LSZH Cca, s1a, d1, a1 cable on a 500 m reel, orange	500 m
CAT. 7 COPPER CABLES			
CAT. 7 F/FTP LSZH CABLES		500 m reels available with EKROLLERXL	
0829D2	**0829D2**	Cat. 7 F/FTP solid LSZH Dca, s2, d2, a1 cable on a 500 m reel, orange	500 m
CAT. 7A / 7 CONNECTORS			
CAT. 7A/7 COMPATIBLE MALE CONNECTORS			
0026	**0026**	Shielded male RJ45 connector compatible with Cat. 7A/7 [compatible with tool Ref. 13090]	10
2233	**2233**	Shielded male RJ45 connector compatible with Cat. 7A/7, tool-less	10

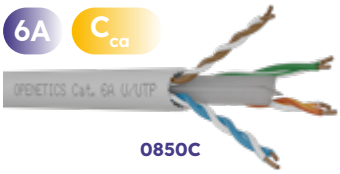


EKROLLERXL

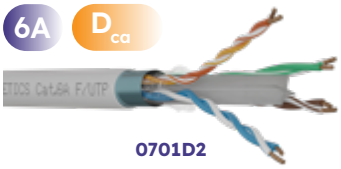
All 500 m reels, in any category, can be supplied with the system EK ROLLER XL by adding the following suffix to the reference: "EKR" (+€0.018/m RRP)



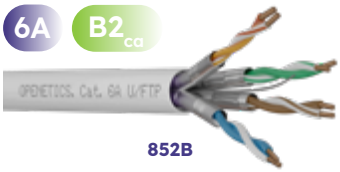
0850BG



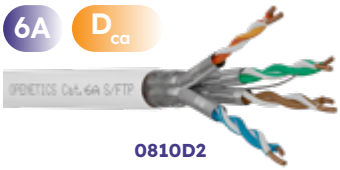
0850C



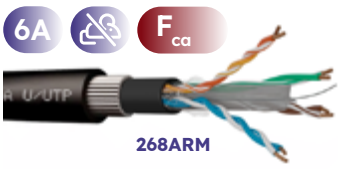
0701D2



852B

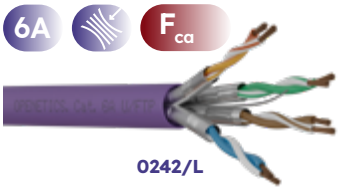


0810D2



268ARM

CAT. 6A U/UTP LSZH CABLES			500 m reels available with EKROLLERXL
0850BG	**0850BG**	Cat. 6A U/UTP solid LSZH B2ca, s1a, d1, a1 cable on a 500 m reel, certified with connector Ref. 5854, white [AXT certified and compatible with Madrid Digital]	500 m
860C	**860C**	Cat. 6A U/UTP solid LSZH Cca, s1a, d1, a1 cable in a 305 m box, white	305 m
0850C	**0850C**	Cat. 6A U/UTP solid LSZH Cca, s1a, d1, a1 cable on a 500 m reel, white	500 m
0849D2	**0849D2**	Cat. 6A U/UTP solid LSZH Dca, s2, d2, a1 cable on a 500 m reel, white	500 m
CAT. 6A F/UTP LSZH CABLES			500 m reels available with EKROLLERXL
0701D2	**0701D2**	Cat. 6A F/UTP solid LSZH Dca, s2, d2, a1 cable on a 500 m reel, white	500 m
CAT. 6A U/FTP LSZH CABLES			500 m reels available with EKROLLERXL
852B	**852B**	Cat. 6A U/FTP solid LSZH B2ca, s1a, d1, a1 cable on a 500 m reel, white	500 m
852C	**852C**	Cat. 6A U/FTP solid LSZH Cca, s1a, d1, a1 cable on a 500 m reel, white	500 m
CAT. 6A F/FTP LSZH CABLES			500 m reels available with EKROLLERXL
0848C	**0848C**	Cat. 6A F/FTP solid LSZH Cca, s1a, d1, a1 cable on a 500 m reel, white	500 m
CAT. 6A S/FTP LSZH CABLES			500 m reels available with EKROLLERXL
0810D2	**0810D2**	Cat. 6A S/FTP solid LSZH Dca s2, d2, a1 cable on a 500 m reel (white or orange, subject to availability)	500 m
CAT. 6A OUTDOOR CABLES			500 m reels available with EKROLLERXL
268F2	**268F2**	Cat. 6A U/UTP solid PE Fca outdoor cable in a 305 m box, black	305 m
0266F2	**0266F2**	Cat. 6A U/UTP solid PE Fca outdoor cable on a 500 m reel, black	500 m
268ARM	**268ARM**	Cat. 6A U/UTP solid PE Fca anti-rodent armoured outdoor cable on a 500 m reel, black	500 m



0242/L

CAT. 6A U/FTP LSZH STRANDED CABLES

500 m reels available with EKRÖLLER XL

0242	E 0242	Cat. 6A U/FTP LSZH stranded cable on a 500 m reel, grey	500 m
0242/L	0242/L	Cat. 6A U/FTP LSZH stranded cable on a 500 m reel, lilac	500 m



CAT. 6A / 6 COPPER PATCH CORDS

CAT. 6A / 6 U/UTP LSZH PATCH CORDS

67200/0.25	67200/0.25	Cat. 6A/6 U/UTP LSZH patch cord, 0.25 m, white	10
67200	67200	Cat. 6A/6 U/UTP LSZH patch cord, 0.50 m, white	10
67201	67201	Cat. 6A/6 U/UTP LSZH patch cord, 1 m, white	10
67201	E 67200/1.5	Cat. 6A/6 U/UTP LSZH patch cord, 1.5 m, white	10
67202	67202	Cat. 6A/6 U/UTP LSZH patch cord, 2 m, white	10
67203	67203	Cat. 6A/6 U/UTP LSZH patch cord, 3 m, white	10
67205	67205	Cat. 6A/6 U/UTP LSZH patch cord, 5 m, white	5
67210	67210	Cat. 6A/6 U/UTP LSZH patch cord, 10 m, white	1
67210	E 67200/15	Cat. 6A/6 U/UTP LSZH patch cord, 15 m, white	1



67202

Please enquire about custom patch-cord production.

CAT. 6A / 6 U/UTP LSZH ULTRA-SLIM PATCH CORDS, SLIM PATCH MODEL

SlimPatch

67600/0.25	67600/0.25	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 0.25 m, white, Slim Patch model	10
67600	67600	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 0.50 m, white, Slim Patch model	10
67601	67601	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 1 m, white, Slim Patch model	10
67602	67602	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 2 m, white, Slim Patch model	10
67603	67603	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 3 m, white, Slim Patch model	10



67602

CAT. 6A / 6 U/FTP LSZH PATCH CORDS

67300/0.25	67300/0.25	Cat. 6A/6 U/FTP LSZH patch cord, 0.25 m, lilac	10
67300	67300	Cat. 6A/6 U/FTP LSZH patch cord, 0.50 m, lilac	10
67301	67301	Cat. 6A/6 U/FTP LSZH patch cord, 1 m, lilac	10
67302	67302	Cat. 6A/6 U/FTP LSZH patch cord, 2 m, lilac	10
67303	67303	Cat. 6A/6 U/FTP LSZH patch cord, 3 m, lilac	10
67305	67305	Cat. 6A/6 U/FTP LSZH patch cord, 5 m, lilac	5
67310	67310	Cat. 6A/6 U/FTP LSZH patch cord, 10 m, lilac	1



67302

Please enquire about custom patch-cord production.

CAT. 6A / 6 S/FTP LSZH PATCH CORDS



67702

67700/0.25	**67700/0.25**	Cat. 6A/6 S/FTP LSZH patch cord, 0.25 m, white	10
67700	**67700**	Cat. 6A/6 S/FTP LSZH patch cord, 0.50 m, white	10
67701	**67701**	Cat. 6A/6 S/FTP LSZH patch cord, 1 m, white	10
67702	**67702**	Cat. 6A/6 S/FTP LSZH patch cord, 2 m, white	10
67703	**67703**	Cat. 6A/6 S/FTP LSZH patch cord, 3 m, white	10
67705	**67705**	Cat. 6A/6 S/FTP LSZH patch cord, 5 m, white	5
67710	**67710**	Cat. 6A/6 S/FTP LSZH patch cord, 10 m, white	1

COLOURED CAT. 6A / 6 U/UTP LSZH PATCH CORDS



67202A

67200/0.25A	**67200/0.25A**	Cat. 6A/6 U/UTP LSZH patch cord, 0.25 m, blue	10
67200A	**67200A**	Cat. 6A/6 U/UTP LSZH patch cord, 0.50 m, blue	10
67201A	**67201A**	Cat. 6A/6 U/UTP LSZH patch cord, 1 m, blue	10
67202A	**67202A**	Cat. 6A/6 U/UTP LSZH patch cord, 2 m, blue	10
67203A	**67203A**	Cat. 6A/6 U/UTP LSZH patch cord, 3 m, blue	10
67205A	**67205A**	Cat. 6A/6 U/UTP LSZH patch cord, 5 m, blue	5



67202R

67200/0.25R	**67200/0.25R**	Cat. 6A/6 U/UTP LSZH patch cord, 0.25 m, red	10
67200R	**67200R**	Cat. 6A/6 U/UTP LSZH patch cord, 0.50 m, red	10
67201R	**67201R**	Cat. 6A/6 U/UTP LSZH patch cord, 1 m, red	10
67202R	**67202R**	Cat. 6A/6 U/UTP LSZH patch cord, 2 m, red	10
67203R	**67203R**	Cat. 6A/6 U/UTP LSZH patch cord, 3 m, red	10
67205R	**67205R**	Cat. 6A/6 U/UTP LSZH patch cord, 5 m, red	5



67202V

67200/0.25V	**67200/0.25V**	Cat. 6A/6 U/UTP LSZH patch cord, 0.25 m, green	10
67200V	**67200V**	Cat. 6A/6 U/UTP LSZH patch cord, 0.50 m, green	10
67201V	**67201V**	Cat. 6A/6 U/UTP LSZH patch cord, 1 m, green	10
67202V	**67202V**	Cat. 6A/6 U/UTP LSZH patch cord, 2 m, green	10
67203V	**67203V**	Cat. 6A/6 U/UTP LSZH patch cord, 3 m, green	10
67205V	**67205V**	Cat. 6A/6 U/UTP LSZH patch cord, 5 m, green	5



67202Y

67200/0.25Y	**67200/0.25Y**	Cat. 6A/6 U/UTP LSZH patch cord, 0.25 m, yellow	10
67200Y	**67200Y**	Cat. 6A/6 U/UTP LSZH patch cord, 0.50 m, yellow	10
67201Y	**67201Y**	Cat. 6A/6 U/UTP LSZH patch cord, 1 m, yellow	10
67202Y	**67202Y**	Cat. 6A/6 U/UTP LSZH patch cord, 2 m, yellow	10
67203Y	**67203Y**	Cat. 6A/6 U/UTP LSZH patch cord, 3 m, yellow	10
67205Y	**67205Y**	Cat. 6A/6 U/UTP LSZH patch cord, 5 m, yellow	5

COLOURED CAT. 6A / 6 U/UTP LSZH ULTRA-SLIM PATCH CORDS, SLIM PATCH MODEL



67602A

67600/0.25A	**67600/0.25A**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 0.25 m, blue, Slim Patch model	10
67600A	**67600A**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 0.50 m, blue, Slim Patch model	10
67601A	**67601A**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 1 m, blue, Slim Patch model	10
67602A	**67602A**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 2 m, blue, Slim Patch model	10
67603A	**67603A**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 3 m, blue, Slim Patch model	10



67602R

67600/0.25R	**67600/0.25R**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 0.25 m, red, Slim Patch model	10
67600R	**67600R**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 0.50 m, red, Slim Patch model	10
67601R	**67601R**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 1 m, red, Slim Patch model	10
67602R	**67602R**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 2 m, red, Slim Patch model	10
67603R	**67603R**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 3 m, red, Slim Patch model	10



67602V

67600/0.25V	**67600/0.25V**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 0.25 m, green, Slim Patch model	10
67600V	**67600V**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 0.50 m, green, Slim Patch model	10
67601V	**67601V**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 1 m, green, Slim Patch model	10
67602V	**67602V**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 2 m, green, Slim Patch model	10
67603V	**67603V**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 3 m, green, Slim Patch model	10



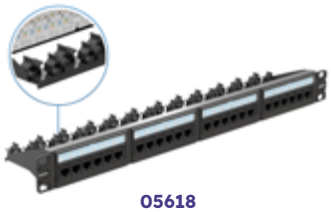
67602Y

67600/0.25Y	**67600/0.25Y**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 0.25 m, yellow, Slim Patch model	10
67600Y	**67600Y**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 0.50 m, yellow, Slim Patch model	10
67601Y	**67601Y**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 1 m, yellow, Slim Patch model	10
67602Y	**67602Y**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 2 m, yellow, Slim Patch model	10
67603Y	**67603Y**	Ultra-slim Cat. 6A/6 U/UTP LSZH patch cord, 3 m, yellow, Slim Patch model	10

Please enquire about custom patch-cord production.

PRE-TERMINATED CAT. 6A PATCH PANELS

CAT. 6A PATCH PANELS



05618

05618	**05618**	1 U 24-port Cat. 6A UTP GIGALAN 500 patch panel* with label holder and cable-management system	1

See more patch panel models on page 103

MODULAR DIN-RAIL PRODUCTS

CAT. 6A DIN-RAIL MODULES



50036

50077	**50077**	RJ45 Cat. 6A UTP DIN-rail module with connector included [updated design]	1
50036	**50036**	RJ45 Cat. 6A shielded DIN-rail module with connector included, [updated design]	1

CAT. 6A CONNECTORS



5828



5854



0021



2221



12211A



12205



2222



50029

CAT. 6A KEYSTONE JACKS

5848	**5848**	RJ45 Cat. 6A UTP keystone jack, 90°/180° slim, white [updated design] [compatible with tools Ref. 22193 and 22194]	25
5827	**5827**	RJ45 Cat. 6A UTP keystone jack, 180° slim tool-free, white	25
5828	**5828**	RJ45 Cat. 6A UTP keystone jack, 180° slim tool-free, black	25
5854	**5854**	RJ45 Cat. 6A UTP keystone jack, tool-free, ETL Certif.[AXT certified and compatible with Madrid Digital]	25
05834	**05834**	RJ45 Cat. 6A shielded keystone jack, slim tool-free	25

CAT. 6A MALE CONNECTORS

0028	**0028**	RJ45 Cat. 6A UTP male connector	100
0021	**0021**	RJ45 Cat. 6A UTP EZ pass-through male connector	100
0023	**0023**	RJ45 Cat. 6A UTP male connector for stranded cable	100
0022	**0022**	RJ45 Cat. 6A shielded EZ pass-through male connector	100
2221	E **2221**	Industrial Ethernet RJ45 male connector, shielded Cat. 6A, for solid and stranded AWG 24-26 cable	1

CAT. 6A / 6 CONNECTOR BOOTS

12211	**12211**	RJ45 Cat. 6A connector boot, grey	10/100
12211R	**12211R**	RJ45 Cat. 6A connector boot, red	10/100
12211A	**12211A**	RJ45 Cat. 6A connector boot, blue	10/100
12211V	**12211V**	RJ45 Cat. 6A connector boot, green	10/100
12211Y	**12211Y**	RJ45 Cat. 6A connector boot, yellow	10/100
12205	**12205**	RJ45 Cat. 6A connector boot, lilac	10/100

CAT. 6A INDUSTRIAL ETHERNET CONNECTORS

CAT. 6A INDUSTRIAL ETHERNET CONNECTORS

2222	E **2222**	Industrial Ethernet RJ45 male connector, Cat. 6A shielded, for solid and stranded AWG 22-26 cable (tool-free)	1
2232	**2232**	Industrial Ethernet RJ45 male connector, Cat. 6A shielded, for solid and stranded AWG 23-26 cable (tool-free)	1

CAT. 6A DATA ADAPTERS

CAT. 6A ADAPTERS

50026	**50026**	Cat. 6A UTP RJ45-RJ45 female-to-female adapter	1
50029	**50029**	Shielded Cat. 6A RJ45-RJ45 female-to-female adapter	1

CAT. 6 COPPER CABLES

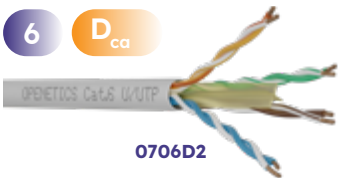


704C

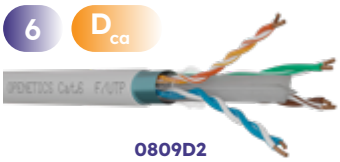
CAT. 6 U/UTP LSZH CABLES

500 m and 1,000 m reels available with EKROLLERXL

704C	**704C**	Cat. 6 U/UTP solid LSZH Cca, s1, d1, a1 cable in a 305 m box, AWG 23, white	305 m
0702C	**0702C**	Cat. 6 U/UTP solid LSZH Cca, s1, d1, a1 cable on a 500 m reel, AWG 23, white	500 m
0706D2	**0706D2**	Cat. 6 U/UTP solid LSZH Dca, s2, d2, a1 cable in a 305 m box, AWG 24, white	305 m
0706D2-EKR	**N 0706D2-EKR**	Cat. 6 U/UTP solid LSZH Dca, s2, d2, a1 cable on a 305 m reel with EK ROLLER system, AWG 24, white	305 m
0702D2	**0702D2**	Cat. 6 U/UTP solid LSZH Dca, s2, d2, a1 cable on a 500 m reel, AWG 24, white	500 m
0703D2	**0703D2**	Cat. 6 U/UTP solid LSZH Dca, s2, d2, a1 cable on a 1,000 m reel, AWG 24, white	1,000 m



0706D2



0809D2

CAT. 6 F/UTP LSZH CABLES

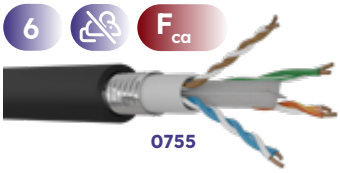
500 m reels available with EKROLLERXL

0809D2	**0809D2**	Cat. 6 F/UTP solid LSZH Dca, s2, d2, a1 cable on a 500 m reel, AWG 23, white	500 m

CAT. 6 OUTDOOR CABLES

500 m and 1,000 m reels available with EKROLLERXL

168F2	**168F2**	Cat. 6 U/UTP solid PE Fca outdoor cable in a 305 m box, AWG 24, black	305 m
0166F2	**0166F2**	Cat. 6 U/UTP solid PE Fca outdoor cable on a 500 m reel, AWG 24, black	500 m
0167F2	**0167F2**	Cat. 6 F/UTP solid PE Fca outdoor cable on a 500 m reel, AWG 23, black	500 m
0755	**0755***	Cat. 6 U/UTP anti-rodent Fca outdoor cable on a 1,000 m reel, AWG 23, black	1,000 m



0755

*Cut lengths available to order. Cutting and reel charges apply.

CAT. 6 COPPER PATCH CORDS

CAT. 6 U/UTP FLAT PATCH CORDS, FLAT Patch MODEL

67399	**67399**	Flat Cat. 6 U/UTP patch cord, 0.25 m, white, FLAT Patch model	10
67400	**67400**	Flat Cat. 6 U/UTP patch cord, 0.50 m, white, FLAT Patch model	10
67401	**67401**	Flat Cat. 6 U/UTP patch cord, 1 m, white, FLAT Patch model	10
67402	**67402**	Flat Cat. 6 U/UTP patch cord, 2 m, white, FLAT Patch model	10
67403	**67403**	Flat Cat. 6 U/UTP patch cord, 3 m, white, FLAT Patch model	10



67602

CAT. 6 U/UTP LSZH PATCH CORDS

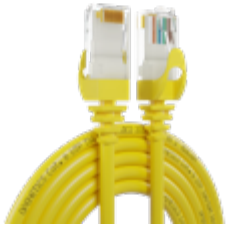
6823	**E 6823**	Cat. 6 U/UTP LSZH patch cord, 3 m, grey	10
6825	**E 6825**	Cat. 6 U/UTP LSZH patch cord, 5 m, grey	10
6830	**E 6830**	Cat. 6 U/UTP LSZH patch cord, 10 m, grey	10



6823



6823V



6823Y



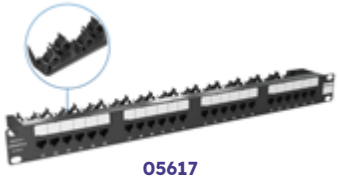
6805A



6805R



6855



05617



5810



New Design

50076

COLOURED CAT. 6 U/UTP LSZH PATCH CORDS

6825A	**6825A**	Cat. 6 U/UTP LSZH patch cord, 5 m, blue	5
6700V	**6700V**	Cat. 6 U/UTP LSZH patch cord, 0.5 m, green	10
6823V	**6823V**	Cat. 6 U/UTP LSZH patch cord, 3 m, green	10
6825V	**6825V**	Cat. 6 U/UTP LSZH patch cord, 5 m, green	5
6700Y	**6700Y**	Cat. 6 U/UTP LSZH patch cord, 0.5 m, yellow	10
6823Y	**6823Y**	Cat. 6 U/UTP LSZH patch cord, 3 m, yellow	10
6825Y	**6825Y**	Cat. 6 U/UTP LSZH patch cord, 5 m, yellow	5

Please enquire about custom patch-cord production.

COLOURED CAT. 6 U/UTP PVC PATCH CORDS

6799A	**6799A**	Cat. 6 U/UTP PVC patch cord, 0.5 m, blue	10
6805A	**6805A**	Cat. 6 U/UTP PVC patch cord, 5 m, blue	5
6802R	**6802R**	Cat. 6 U/UTP PVC patch cord, 2 m, red	10
6803R	**6803R**	Cat. 6 U/UTP PVC patch cord, 3 m, red	10
6805R	**6805R**	Cat. 6 U/UTP PVC patch cord, 5 m, red	5
6805V	**6805V**	Cat. 6 U/UTP PVC patch cord, 5 m, green	5
6803Y	**6803Y**	Cat. 6 U/UTP PVC patch cord, 3 m, yellow	10

Please enquire about custom patch-cord production.

CAT. 6 F/UTP LSZH PATCH CORDS

6855	**6855**	Cat. 6 F/UTP LSZH patch cord, 5 m, grey	5
6860	**6860**	Cat. 6 F/UTP LSZH patch cord, 10 m, grey	1

PRE-TERMINATED CAT. 6 PATCH PANELS

CAT. 6 UTP PATCH PANELS

05617	**05617**	1 U 24-port Cat. 6 UTP GIGALAN 350 patch panel*	1
5615	**5615**	12-port Cat. 6 UTP wall-mount patch panel (not 19-inch)	1

SHIELDED CAT. 6 PATCH PANEL

5810	**5810**	1 U 24-port shielded Cat. 6 patch panel	1

MODULAR DIN-RAIL PRODUCTS

CAT. 6 DIN-RAIL MODULES

50043	**50043**	RJ45 Cat. 6 UTP DIN-rail module with connector included [updated design]	1
50076	**50076**	RJ45 Cat. 6 shielded DIN-rail module with connector included [updated design]	1

CAT. 6 CONNECTORS

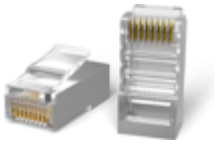


5847

SOLUCIÓN MACH3



5843



1209

CAT. 6 KEYSTONE JACKS

5847	**5847***	RJ45 Cat. 6 UTP keystone jack, 90°/180° slim, white [compatible with tools Ref. 22193 and 22194]	25
5825	**5825**	RJ45 Cat. 6 UTP keystone jack, 180° slim tool-free, white	25
5826	**5826**	RJ45 Cat. 6 UTP keystone jack, 180° slim tool-free, black	25
5843	**5843**	RJ45 Cat. 6 UTP keystone jack, 270° slim, model MACH3 [compatible with tool Ref. 22190]	25
05845	**05845**	Shielded slim tool-free RJ45 Cat. 6 keystone jack	25

MALE CAT. 6 CONNECTORS

0020	**0020**	Male RJ45 Cat. 6 UTP connector	100
0031	**0031**	Male RJ45 Cat. 6 UTP EZ pass-through connector	100
1209	**1209**	Shielded male RJ45 Cat. 6 connector.	100

CAT. 6 CONNECTOR BOOTS



1212 1215 1217

1210	E **1210**	RJ45 Cat. 6 connector boot, grey	100
1212	E **1212**	RJ45 Cat. 6 connector boot, red	100
1215	E **1215**	RJ45 Cat. 6 connector boot, yellow	100
1217	E **1217**	RJ45 Cat. 6 connector boot, black	100

CAT. 6A / 6 OUTLETS



05604



56041

CAT. 6 UTP OUTLETS WITH RJ45 CONNECTOR

05604	E **05604**	Cat. 6 outlet with 1 shuttered UTP RJ45 connector	1
05606	E **05606**	Cat. 6 outlet with 2 shuttered UTP RJ45 connectors	1

UNLOADED OUTLETS FOR CAT. 6A / 6 KEYSTONE JACKS

56040	**56040**	Outlet with dust cap for 1 keystone jack	1
56041	**56041**	Double outlet with dust cap for 2 keystone jacks	1

CAT. 6 DATA ADAPTERS



50025

CAT. 6 ADAPTERS

50025	**50025**	Cat. 6 UTP RJ45-RJ45 female-to-female adapter	1
50028	**50028**	Shielded Cat. 6 RJ45-RJ45 female-to-female adapter	1

CAT. 6 COUPLERS



4692

CAT. 6 CABLE COUPLER

4692	**4692**	Cat. 6 UTP cable coupler	1

CAT. 5 COPPER PATCH CORDSe



5934



5903A



5903R



5903V



5903Y

CAT. 5e U/UTP PATCH CORDS

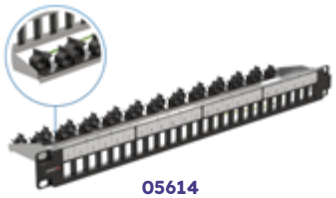
5931	**5931**	Cat. 5e U/UTP patch cord, 1 m, grey	10
5934	**5934**	Cat. 5e U/UTP patch cord, 5 m, grey	5
5910	**5910**	Cat. 5e U/UTP patch cord, 10 m, grey	1

COLOURED CAT. 5e U/UTP PATCH CORDS

5900A	**5900A**	Cat. 5e U/UTP patch cord, 0.5 m, blue	10
5901A	**5901A**	Cat. 5e U/UTP patch cord, 1 m, blue	10
5902A	**5902A**	Cat. 5e U/UTP patch cord, 2 m, blue	10
5903A	**5903A**	Cat. 5e U/UTP patch cord, 3 m, blue	10
5905A	**5905A**	Cat. 5e U/UTP patch cord, 5 m, blue	5
5900R	**5900R**	Cat. 5e U/UTP patch cord, 0.5 m, red	10
5901R	**5901R**	Cat. 5e U/UTP patch cord, 1 m, red	10
5902R	**5902R**	Cat. 5e U/UTP patch cord, 2 m, red	10
5903R	**5903R**	Cat. 5e U/UTP patch cord, 3 m, red	10
5901V	**5901V**	Cat. 5e U/UTP patch cord, 1 m, green	10
5902V	**5902V**	Cat. 5e U/UTP patch cord, 2 m, green	10
5903V	**5903V**	Cat. 5e U/UTP patch cord, 3 m, green	10
5905V	**5905V**	Cat. 5e U/UTP patch cord, 5 m, green	5
5900Y	**5900Y**	Cat. 5e U/UTP patch cord, 0.5 m, yellow	10
5901Y	**5901Y**	Cat. 5e U/UTP patch cord, 1 m, yellow	10
5903Y	**5903Y**	Cat. 5e U/UTP patch cord, 3 m, yellow	10
5905Y	**5905Y**	Cat. 5e U/UTP patch cord, 5 m, yellow	5

Please enquire about custom patch-cord production.

UNLOADED PATCH PANELS, CAT. 8 / 6A / 6 / 5e



05614



05619-ANG

UNLOADED PATCH PANELS

5515	**5515**	19-inch 1 U unloaded 16-port patch panel	1
5516	**5516**	19-inch 2 U unloaded 32-port patch panel	1
05619	**05619**	19-inch 1 U unloaded 24-port slim UTP / STP patch panel with label holder	1
05614	**05614**	19-inch 1 U unloaded 24-port slim UTP / STP patch panel with label holder and cable-management system	1
05619-ANG	**05619-ANG**	Angled 19-inch 1 U unloaded 24-port slim UTP / STP patch panel with label holder	1

ACCESSORIES FOR COPPER STRUCTURED CABLING SYSTEMS



8400

SELF-CLOSING SYSTEMS

8400	**8400**	13 mm black self-closing system (25 m roll)	1
8405	**8405**	20 mm black self-closing system (25 m roll)	1



1314

ACCESSORIES FOR RJ45 KEYSTONE JACKS

22551	**22551**	Dust cap for female RJ45 connector	1

TOOLS FOR COPPER AND COAXIAL STRUCTURED CABLING



New Design

13091

CABLE-STRIPPING / WIRE-CUTTING TOOLS

1314	**1314**	Round-cable stripping tools (UTP / STP)	1
13096	**13096**	Precision wire cutters	1



HCC RJ45

CONNECTOR CRIMPING TOOLS

13090	**13090**	Crimping tool for male RJ 9/11/12/45 connectors	1

TERMINATION AND CUTTING TOOLS

22190	**22190**	Quick termination and cutting tool for keystone jacks, model MACH3	1
13091	**13091**	Termination and cutting tool for male RJ45 EZ pass-through connectors [updated design]	1
394003	EK **HCC RJ45**	Termination and cutting tool for male RJ45 EZ pass-through connectors	1
22193	**22193**	Lightweight termination and cutting tool for keystone jacks Ref. 5847 and 5848	1
22194	**22194**	Termination and cutting tool for keystone jacks Ref. 5847 and 5848	1
7663	**7663**	Krone-type termination and cutting tool	1
1410	**1410**	110 termination and cutting tool	1



22193



22194

CABLING TESTERS AND VERIFIERS (REDESIGNED)

14110	**14110**	UTP / STP cabling tester [updated design]	1
14130	**14130**	Ultra-fast UTP / STP, RJ11, RJ12, BNC and USB tester [updated design]	1



14130

KITS WITH RJ45 CONNECTORS AND CABLING TOOLS



910003

RJ45 CONNECTOR + CABLING TOOL KITS

910000	N **910000**	Kit of 100 RJ45 keystone jacks Ref. 5848 + tool Ref. 22193	1
910001	N **910001**	Kit of 100 RJ45 keystone jacks Ref. 5848 + tool Ref. 22194	1
910002	N **910002**	Kit of 500 male connectors Ref. 0021 + tool Ref. 13091	1
910003	N **910003**	Kit of 100 keystone jacks Ref. 5847 + tool Ref. 22193	1
910004	N **910004**	Kit of 100 keystone jacks Ref. 5847 + tool Ref. 22194	1
910005	N **910005**	Kit of 500 male connectors Ref. 0031 + tool Ref. 13091	1

OUTLETS, SURFACE/FLOOR BOXES AND CONSOLIDATION POINTS

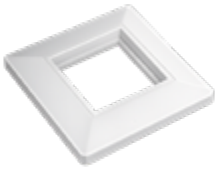
SURFACE-MOUNT BOXES WITH FRAMES



12001

12000	N **12000**	White surface-mount box for 2 × 45 × 45 mm modules	1
12001	N **12001**	White surface-mount box for 4 × 45 × 45 mm modules	1
12002	N **12002**	White surface-mount box for 6 × 45 × 45 mm modules	1
12020	N **12020**	White surface-mount box for 8 × 45 × 45 mm modules	1
12056	N **12056**	Metal divider with earth connection	1

MODULES AND FACEPLATES FOR OUTLETS AND SURFACE-MOUNT BOXES



12005



12015



12054



12055

12005	**12005**	Frame and mounting frame for 45 × 45 mm modules, white	1
12003	**12003**	80 × 80 mm surface-mount box for 12005, white	1
12006	**12006**	45 × 45 mm module with aperture for 1 keystone jack, white	1
12007	**12007**	45 × 45 mm module with aperture for 2 keystone jacks, white	1
12044	N **12044**	45 × 22.5 mm module with aperture for 1 keystone jack, white	1
12031-W	N **12031-W**	45 × 45 mm module with 1 Schuko power outlet, white	1
12031-R	N **12031-R**	45 × 45 mm module with 1 Schuko power outlet, red	1
12015	N **12015**	45 × 45 mm blanking module, white	1
12014	N **12014**	45 × 22.5 mm blanking module, white	1
12046	N **12046**	45 × 45 mm keystone-type module for HDMI adapter 12054, white	1
12057	N **12057**	45 × 22.5 mm keystone-type module for HDMI adapter 12051, white	1
12051	N **12051**	180° female-to-female HDMI adapter for 12057	1
12054	N **12054**	90° female-to-female HDMI adapter for 12046	1
12055	N **12055**	45 × 22.5 mm USB-A and USB-C charger module. 5 V / 2.1 A	1

FLOOR BOXES FOR KEYSTONE JACKS

12042	**12042**	Flush floor box with 6 individually hinged frames for 6 × 45 × 45 mm modules	1

CONSOLIDATION POINTS



12281

12268	**12268**	Basic consolidation point for 12 keystone jacks. Floor, ceiling or wall mounting	1
12280	**12280**	Consolidation point for 4 keystone jacks. Floor, ceiling or wall mounting	1
12281	**12281**	Consolidation point for 8 keystone jacks. Floor, ceiling or wall mounting	1

QUICK-CONNECT ELECTRICAL TERMINALS, QCT RANGE



47222

47220	N **47220**	2-pole quick-connect electrical terminal	1
47221	N **47221**	3-pole quick-connect electrical terminal	1
47222	N **47222**	5-pole quick-connect electrical terminal	1

Modular system.
Customize your installation.

A box of mechanisms, endless possibilities
Combine the modules you need and create the perfect solution for every space.



100% Modular

Quick installation

Perfect integration

10 modules. All possible combinations.


12006


12007


12044


12031-W


12031-R


12015


12014


12046


12057


12055



Clean design

High-quality materials

Total versatility

Commitment to sustainability

16

OPENETICS / ADALTRA

RACK CABINETS 19"

KIT MINI RACK 10" New Design New Packaging

Includes 12-port unloaded panel and 1 U shelf



10-INCH WALL-MOUNT RACKS

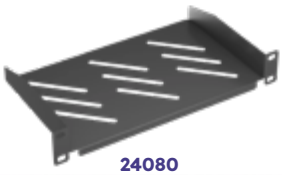
KIT MINI RACK 10" [Black RAL 9005]

24025	**24025**	Kit Mini Rack 10", 6 U 344x350x280 mm	1

The Mini Rack kit includes: 10-inch 6 U metal rack, unloaded 12-port 10-inch 1 U panel and 10-inch 1 U standard shelf.



24070



24080



54RPC

ACCESSORIES FOR 10-INCH MINI RACK KIT [BLACK RAL 9005]

26005	**26005**	10-inch PDU power strip, 3 power outlets	1
24070	**24070**	Unloaded 10-inch 12-port 1 U panel	1
24080	**24080**	10-inch 1 U standard shelf	1
2545	**2545**	Fan 130 m³/h for wall-mount rack 2545	1
24060	**24060**	10-inch WiFi temperature control and alarm unit via EK Smart for Ref. 2545	1
24061	N **24061**	10-inch WiFi temperature control, alarm and door sensor unit via EK Smart for Ref. 2545	1
54RPC	N **54RPC**	Door contact kit for 24061	1

19-INCH FLAT WALL-MOUNT RACKS

19-INCH FLAT WALL-MOUNT RACK CABINETS, Housing MODEL

2415	**2415**	19-inch flat wall-mount rack cabinet, 3 + 2 U, 730 × 550 × 180 mm, blank steel door, Housing model [updated design]	1



New Design

2415

ACCESSORIES FOR FLAT 19-INCH WALL-MOUNT RACKS, Housing MODEL

2545	**2545***	Fan 130 m³/h for Housing rack Ref. 2415	1
55300	**55300***	19-inch WiFi temperature control and alarm unit via EK Smart for Ref. 2545	1
55301	N **55301***	19-inch WiFi temperature control, alarm and door sensor unit via EK Smart for Ref. 2515	1
66CP	**66CP***	Smart door contact	1
02394	**02394***	19-inch professional PDU power strip, 6 Schuko power outlets with switch	1

*Compatible accessories for Ref. 2415.



66CP

19-INCH WALL-MOUNT RACKS (SUPPLIED FLAT-PACKED)



19-INCH WALL-MOUNT RACK CABINETS, FLAT-PACKED, EasyPack MODEL

23279	E **23279**	19-inch 12 U wall-mount rack cabinet, 635 × 600 × 500 mm, no rear panel, supplied flat-packed, EasyPack model	1
23280	E **23280**	19-inch 15 U wall-mount rack cabinet, 769 × 600 × 500 mm, no rear panel, supplied flat-packed, EasyPack model	1

NEW SMART RACK PLUS CONNECT AND CONNECT SECURE

*Details on pages 110–117

WiFi connection

Hysteresis control

EK Smart app alarms

Door-opening sensor







UNIRACK 19"

New Design

New Packaging

Glass front door

New Design



UNIRACK 19" New Design New Packaging

Glass front door

UNIRACK



23234



23232



2343



2344



23302/U



23311



55300

UNIRACKS WITH GLASS FRONT DOOR [BLACK RAL 9005]
(suitable for wall or floor mounting)

CODE	MODEL	NO. OF U	H (mm)	W (mm)	D (mm)	FRONT DOOR	PACK QUANTITY
23234	**23234**	6U	310	540	450	Glass	1
23235	**23235**	9 U	445	540	450	Glass	1
23236	**23236**	12 U	580	540	450	Glass	1
23237	**23237**	15 U	710	540	450	Glass	1
23231	**23231**	9 U	445	540	600	Glass	1
23232	**23232**	12 U	580	540	600	Glass	1
23233	**23233**	15 U	710	540	600	Glass	1
23224	**23224**	20 U	933	540	600	Glass	1
23225	**23225**	25 U	1155	540	600	Glass	1

CODE	REFERENCE	DESCRIPTION	PACK QUANTITY
SHELVES FOR UNIRACK			
2417	**2417**	Sliding 2 U keyboard shelf (depth 300 mm)	1
2343	**2343**	1 U fixed front-mounted shelf (depth 315 mm)	1
2344	**2344**	2 U fixed front-mounted shelf (depth 315 mm)	1
2333	**2333**	Fixed shelf with 4 mounting brackets, 1 U, for 450 mm deep racks	1
2334	**2334**	Fixed shelf with 4 mounting brackets, 1 U, for 600 mm deep racks	1
ACCESSORIES FOR UNIRACK			
23302/U	**23302/U**	Set of 4 adjustable feet for UNIRACK (10 mm)	1
23301	**23301**	Set of 4 castors for UNIRACK	1
2545	**2545**	Fan 130 m^3/h for wall-mount rack	1
23311	**23311**	Silent ventilation panel 190 m^3/h with thermostat for UNIRACK	1
27649	**27649**	19-inch 1 U LED rack lighting panel, 230 V, with switch	1
55300	**55300**	19-inch WiFi temperature control and alarm unit via EK Smart for 19-inch racks	1
55301	**55301**	19-inch WiFi temperature control, alarm and door sensor unit via EK Smart for 19-inch racks	1
54RPC	**54RPC**	Door contact kit for 55301	1

SMART RACK PLUS

New Design

New Packaging

Fully equipped 19-inch rack cabinets for any installation

SRack+

The models SRack+ include as standard:

- / 1 ventilation panel with digital thermostat and 4 fans
- / 1 × 1 U fixed shelf
- / 4 adjustable feet
- / 4 castors
- / 2 front vertical cable managers with covers (800 mm-wide models)
- / Fixing hardware





FLOOR-STANDING 19-INCH SR RACKSack+ [BLACK RAL 9005]
(glass front door / blank steel or double blank steel rear door)

CODE	MODEL	NO. OF U	H (mm)	W (mm)	D (mm)	FRONT DOOR	REAR DOOR	PACK QUANTITY
2266VC	**2266VC**	22 U	1081	600	600	Glass	Blank steel	1
2766VC	**2766VC**	27 U	1303	600	600	Glass	Blank steel	1
2768VC	**2768VC**	27 U	1303	600	800	Glass	Blank steel	1
2761VC	**2761VC**	27 U	1303	600	1000	Glass	Blank steel	1
2788VDC	**2788VDC**	27 U	1303	800	800	Glass	Double blank steel	1
3266VC	**3266VC**	32 U	1525	600	600	Glass	Blank steel	1
3268VC	**3268VC**	32 U	1525	600	800	Glass	Blank steel	1
3261VDC	**3261VDC**	32 U	1525	600	1000	Glass	Double blank steel	1
3288VDC	**3288VDC**	32 U	1525	800	800	Glass	Double blank steel	1
3281VDC	N **3281VDC***	32 U	1525	800	1000	Glass	Double blank steel	1
4266VC	**4266VC**	42 U	1970	600	600	Glass	Blank steel	1
4268VC	**4268VC**	42 U	1970	600	800	Glass	Blank steel	1
4261VC	**4261VC**	42 U	1970	600	1000	Glass	Blank steel	1
4288VDC	**4288VDC**	42 U	1970	800	800	Glass	Double blank steel	1
4281VDC	**4281VDC**	42U	1970	800	1000	Glass	Double blank steel	1
4788VDC	**4788VDC**	47 U	2192	800	800	Glass	Double blank steel	1
4781VDC	**4781VDC**	47 U	2192	800	1000	Glass	Double blank steel	1

SMART RACK PLUS New Design New Packaging

Fully equipped 19-inch rack cabinets for any installation

The models SRack+ include as standard:

- / 1 ventilation panel with digital thermostat and 4 fans
- / 1 × 1 U fixed shelf
- / 4 adjustable feet
- / 4 castors
- / 2 front vertical cable managers with covers (800 mm-wide models)
- / Fixing hardware

FLOOR-STANDING 19-INCH SR RACKSack+ [BLACK RAL 9005]
(perforated front door / perforated or double-perforated rear door)

CODE	MODEL	NO. OF U	H (mm)	W (mm)	D (mm)	FRONT DOOR	REAR DOOR	PACK QUANTITY
2268PP	**2268PP**	22 U	1081	600	800		Perforated	1
2766PP	**2766PP**	27 U	1303	600	600		Perforated	1
2768PP	**2768PP**	27 U	1303	600	800		Perforated	1
2761PP	**2761PP**	27 U	1303	600	1000		Perforated	1
2788PDP	**2788PDP**	27 U	1303	800	800		Double-perforated	1
3266PP	**3266PP**	32 U	1525	600	600		Perforated	1
3268PP	**3268PP**	32 U	1525	600	800		Perforated	1
3261PP	E **3261PP**	32 U	1525	600	1000		Perforated	1
3288PDP	**3288PDP**	32 U	1525	800	800		Double-perforated	1
3281PDP	N **3281PDP**	32 U	1525	800	1000		Double-perforated	1
4266PP	**4266PP**	42 U	1970	600	600		Perforated	1
4268PP	**4268PP**	42 U	1970	600	800		Perforated	1
4261PP	**4261PP**	42 U	1970	600	1000		Perforated	1
4288PDP	E **4288PDP**	42 U	1970	800	800		Double-perforated	1
4281PDP	E **4281PDP**	42U	1970	800	1000		Double-perforated	1

FLOOR-STANDING 19-INCH SR RACKSack+ [BLACK RAL 9005]
(double-perforated front door / double-perforated rear door)

CODE	MODEL	NO. OF U	H (mm)	W (mm)	D (mm)	FRONT DOOR	REAR DOOR	PACK QUANTITY
4288DPDP	**4288DPDP**	42 U	1970	800	800	Double-	Double-perforated	1
4281DPDP	**4281DPDP**	42U	1970	800	1000	Double-	Double-perforated	1
42812DPDP	N **42812DPDP**	42U	1970	800	1200	Double-	Double-perforated	1
4788DPDP	**4788DPDP**	47 U	2192	800	800	Double-	Double-perforated	1
4781DPDP	**4781DPDP**	47U	2192	800	1000	Double-	Double-perforated	1

SMART RACK PLUS CONNECT

19-inch rack cabinets with **WiFi connectivity, hysteresis control and alarm notifications via the EK Smart app** fully equipped for any installation

SRack+ Connect

The models SRack+ CONNECT include as standard:

/ 1 ventilation panel with digital thermostat and 4 fans

/ 1 × 1 U fixed shelf

/ 4 adjustable feet

/ 4 castors

/ 2 front vertical cable managers with covers (800 mm-wide models)

/ Fixing hardware

/ 19-inch WiFi unit for temperature and alarm control via EK Smart; includes:

/ WiFi connection
/ Hysteresis control
/ Alerts sent to the EK Smart app



FLOOR-STANDING 19-INCH SR RACKSack+ CONNECT [BLACK RAL 9005]
(glass front door / blank steel or double blank steel rear door)

CODE	MODEL	NO. OF U	H (mm)	W (mm)	D (mm)	FRONT DOOR	REAR DOOR	PACK QUANTITY
2266VCW	**2266VCW**	22 U	1081	600	600	Glass	Blank steel	1
2766VCW	**2766VCW**	27 U	1303	600	600	Glass	Blank steel	1
2768VCW	**2768VCW**	27 U	1303	600	800	Glass	Blank steel	1
2761VCW	**2761VCW**	27 U	1303	600	1000	Glass	Blank steel	1
2788 VDCW	**2788VDCW**	27 U	1303	800	800	Glass	Double blank steel	1
3266VCW	**3266VCW**	32 U	1525	600	600	Glass	Blank steel	1
3268VCW	**3268VCW**	32 U	1525	600	800	Glass	Blank steel	1
3261 VDCW	**3261VDCW**	32 U	1525	600	1000	Glass	Double blank steel	1
3288 VDCW	**3288VDCW**	32 U	1525	800	800	Glass	Double blank steel	1
3281 VDCW	**3281VDCW***	32 U	1525	800	1000	Glass	Double blank steel	1
4266VCW	**4266VCW**	42 U	1970	600	600	Glass	Blank steel	1
4268VCW	**4268VCW**	42 U	1970	600	800	Glass	Blank steel	1
4261VCW	**4261VCW**	42 U	1970	600	1000	Glass	Blank steel	1
4288 VDCW	**4288VDCW**	42 U	1970	800	800	Glass	Double blank steel	1
4281 VDCW	**4281VDCW**	42U	1970	800	1000	Glass	Double blank steel	1
4788 VDCW	**4788VDCW**	47 U	2192	800	800	Glass	Double blank steel	1
4781 VDCW	**4781VDCW**	47 U	2192	800	1000	Glass	Double blank steel	1

SMART RACK PLUS CONNECT

19-inch rack cabinets with **WiFi connectivity, hysteresis control and alarm notifications via the EK Smart app** fully equipped for any installation

SR+ RACK Connect

The models SRack+ CONNECT include as standard:

/ 1 ventilation panel with digital thermostat and 4 fans

/ 1 × 1 U fixed shelf

/ 4 adjustable feet

/ 4 castors

/ 2 front vertical cable managers with covers (800 mm-wide models)

/ Fixing hardware

/ 19-inch WiFi unit for temperature and alarm control via EK Smart; includes:

/ WiFi connection
/ Hysteresis control
/ Alerts sent to the EK Smart app

FLOOR-STANDING 19-INCH SR RACKSack+ CONNECT [BLACK RAL 9005]
(perforated front door / perforated or double-perforated rear door)

CODE	MODEL	NO. OF U	H (mm)	W (mm)	D (mm)	FRONT DOOR	REAR DOOR	PACK QUANTITY
2268PPW	**2268PPW**	22 U	1081	600	800		Perforated	1
2766PPW	**2766PPW**	27 U	1303	600	600		Perforated	1
2768PPW	**2768PPW**	27 U	1303	600	800		Perforated	1
2761PPW	**2761PPW**	27 U	1303	600	1000		Perforated	1
2788PDPW	**2788PDPW**	27 U	1303	800	800		Double-perforated	1
3266PPW	**3266PPW**	32 U	1525	600	600		Perforated	1
3268PPW	**3268PPW**	32 U	1525	600	800		Perforated	1
3261PPW	E **3261PPW**	32 U	1525	600	1000		Perforated	1
3288PDPW	**3288PDPW**	32 U	1525	800	800		Double-perforated	1
3281PDPW	N **3281PDPW**	32 U	1525	800	1000		Double-perforated	1
4266PPW	**4266PPW**	42 U	1970	600	600		Perforated	1
4268PPW	**4268PPW**	42 U	1970	600	800		Perforated	1
4261PPW	**4261PPW**	42 U	1970	600	1000		Perforated	1
4288PDPW	E **4288PDPW**	42 U	1970	800	800		Double-perforated	1
4281PDPW	E **4281PDPW**	42U	1970	800	1000		Double-perforated	1

FLOOR-STANDING 19-INCH SR RACKSack+ CONNECT [BLACK RAL 9005]
(double-perforated front door / double-perforated rear door)

CODE	MODEL	NO. OF U	H (mm)	W (mm)	D (mm)	FRONT DOOR	REAR DOOR	PACK QUANTITY
4288 DPDPW	**4288DPDPW**	42 U	1970	800	800	Double-	Double-perforated	1
4281 DPDPW	**4281DPDPW**	42U	1970	800	1000	Double-	Double-perforated	1
42812 DPDPW	N **42812DPDPW**	42U	1970	800	1200	Double-	Double-perforated	1
4788 DPDPW	**4788DPDPW**	47 U	2192	800	800	Double-	Double-perforated	1
4781 DPDPW	**4781DPDPW**	47U	2192	800	1000	Double-	Double-perforated	1

SMART RACK PLUS CONNECT SECURE

19-inch rack cabinets with **WiFi connectivity, hysteresis control, alarm notifications via the EK Smart app and protection via a door-opening sensor,** fully equipped for any installation

SR+ RACK
Connect secure

Smart Rack Plus CONNECT SECURE models include as standard:

/ 1 ventilation panel with digital thermostat and 4 fans

/ 1 × 1 U fixed shelf

/ 4 adjustable feet

/ 4 castors

/ 2 front vertical cable managers with covers (800 mm-wide models)

/ Fixing hardware

/ 19-inch WiFi unit for temperature and alarm control via EK Smart; includes:

/ WiFi connection
/ Hysteresis control
/ Alerts sent to the EK Smart app

/ Door-opening sensor



FLOOR-STANDING 19-INCH SR RACKSack+ CONNECT SECURE [BLACK RAL 9005] (glass front door / blank steel or double blank steel rear door)

CODE	MODEL	NO. OF U	H (mm)	W (mm)	D (mm)	FRONT DOOR	REAR DOOR	PACK QUANTITY
2266 VCWS	**2266VCWS**	22 U	1081	600	600	Glass	Blank steel	1
2766 VCWS	**2766VCWS**	27 U	1303	600	600	Glass	Blank steel	1
2768 VCWS	**2768VCWS**	27 U	1303	600	800	Glass	Blank steel	1
2761 VCWS	**2761VCWS**	27 U	1303	600	1000	Glass	Blank steel	1
2788 VDCWS	**2788VDCWS**	27 U	1303	800	800	Glass	Double blank steel	1
3266 VCWS	**3266VCWS**	32 U	1525	600	600	Glass	Blank steel	1
3268 VCWS	**3268VCWS**	32 U	1525	600	800	Glass	Blank steel	1
3261 VDCWS	**3261VDCWS**	32 U	1525	600	1000	Glass	Double blank steel	1
3288 VDCWS	**3288VDCWS**	32 U	1525	800	800	Glass	Double blank steel	1
3281 VDCWS	N **3281VDCWS**	32 U	1525	800	1000	Glass	Double blank steel	1
4266 VCWS	**4266VCWS**	42 U	1970	600	600	Glass	Blank steel	1
4268 VCWS	**4268VCWS**	42 U	1970	600	800	Glass	Blank steel	1
4261 VCWS	**4261VCWS**	42 U	1970	600	1000	Glass	Blank steel	1
4288 VDCWS	**4288VDCWS**	42 U	1970	800	800	Glass	Double blank steel	1
4281 VDCWS	**4281VDCWS**	42U	1970	800	1000	Glass	Double blank steel	1
4788 VDCWS	**4788VDCWS**	47 U	2192	800	800	Glass	Double blank steel	1
4781 VDCWS	**4781VDCWS**	47 U	2192	800	1000	Glass	Double blank steel	1

SMART RACK PLUS CONNECT SECURE

19-inch rack cabinets with **WiFi connectivity, hysteresis control, alarm notifications via the EK Smart app and protection via a door-opening sensor,** fully equipped for any installation

SR+ RACK
Connect secure

Smart Rack Plus CONNECT SECURE models include as standard:

/ 1 ventilation panel with digital thermostat and 4 fans

/ 1 × 1 U fixed shelf

/ 4 adjustable feet

/ 4 castors

/ 2 front vertical cable managers with covers (800 mm-wide models)

/ Fixing hardware

/ 19-inch WiFi unit for temperature and alarm control via EK Smart; includes:

/ WiFi connection
/ Hysteresis control
/ Alerts sent to the EK Smart app

/ Door-opening sensor

FLOOR-STANDING 19-INCH SR RACKSack+ CONNECT SECURE [BLACK RAL 9005]
(perforated front door / perforated or double-perforated rear door)

CODE	MODEL	NO. OF U	H (mm)	W (mm)	D (mm)	FRONT DOOR	REAR DOOR	PACK QUANTITY
2268 PPWS	**2268PPWS**	22 U	1081	600	800		Perforated	1
2766 PPWS	**2766PPWS**	27 U	1303	600	600		Perforated	1
2768 PPWS	**2768PPWS**	27 U	1303	600	800		Perforated	1
2761 PPWS	**2761PPWS**	27 U	1303	600	1000		Perforated	1
2788 PDPWS	**2788PDPWS**	27 U	1303	800	800		Double-perforated	1
3266 PPWS	**3266PPWS**	32 U	1525	600	600		Perforated	1
3268 PPWS	**3268PPWS**	32 U	1525	600	800		Perforated	1
3261 PPWS	E **3261PPWS**	32 U	1525	600	1000		Perforated	1
3288 PDPWS	**3288PDPWS**	32 U	1525	800	800		Double-perforated	1
3281 PDPWS	N **3281PDPWS**	32 U	1525	800	1000		Double-perforated	1
4266 PPWS	**4266PPWS**	42 U	1970	600	600		Perforated	1
4268 PPWS	**4268PPWS**	42 U	1970	600	800		Perforated	1
4261 PPWS	**4261PPWS**	42 U	1970	600	1000		Perforated	1
4288 PDPWS	E **4288PDPWS**	42 U	1970	800	800		Double-perforated	1
4281 PDPWS	E **4281PDPWS**	42U	1970	800	1000		Double-perforated	1

FLOOR-STANDING 19-INCH SR RACKSack+ CONNECT SECURE [BLACK RAL 9005]
(double-perforated front door / double-perforated rear door)

CODE	MODEL	NO. OF U	H (mm)	W (mm)	D (mm)	FRONT DOOR	REAR DOOR	PACK QUANTITY
4288 DPDPWS	**4288DPDPWS**	42 U	1970	800	800	Double-	Double-perforated	1
4281 DPDPWS	**4281DPDPWS**	42 U	1970	800	1000	Double-	Double-perforated	1
42812 DPDPWS	N **42812DPDPWS**	42 U	1970	800	1200	Double-	Double-perforated	1
4788 DPDPWS	**4788DPDPWS**	47 U	2192	800	800	Double-	Double-perforated	1
4781 DPDPWS	**4781DPDPWS**	47U	2192	800	1000	Double-	Double-perforated	1

ACCESSORIES AND SPARE PARTS FOR SRack+



27649



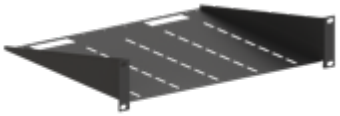
28115K3



2637



2417



2344

CODE	REFERENCE	DESCRIPTION	PACK QUANTITY
ACCESSORIES AND SPARE PARTS FOR SMART RACK			
23318	**23318**	Silent ventilation panel 300 m³/h with thermostat for **SRack+**	1
27649	**27649**	19-inch 1 U LED rack lighting panel, 230 V with switch	1
2804K3	**2804K3**	Vertical cable manager for 27 U rack, 800 mm wide (kit of 2 organisers)	1
2810K3	**2810K3**	Vertical cable manager for 32 U rack, 800 mm wide (kit of 2 organisers)	1
28115K3	**28115K3**	Vertical cable manager for 42 U rack, 800 mm wide (kit of 2 organisers)	1
2798K3	**2798K3**	Vertical cable manager for 47 U rack, 800 mm wide (kit of 2 organisers)	1

PLINTHS FOR SMART RACK PLUS

PLINTHS FOR SMART RACK PLUS			
2631	**2631**	100 × 600 × 600 mm plinth for **SRack+**	1
2629	**2629**	100 × 600 × 800 mm plinth for **SRack+**	1
2637	**2637**	100 × 600 × 1,000 mm plinth for **SRack+**	1
2630	**2630**	100 × 800 × 800 mm plinth for **SRack+**	1
2639	**2639**	100 × 800 × 1,000 mm plinth for **SRack+**	1

SHELVES FOR SMART RACK PLUS

SLIDING KEYBOARD SHELVES			
2417	**2417**	Sliding 2 U keyboard shelf (depth 300 mm)	1
2418	**2418**	Sliding 2 U keyboard shelf (depth 390 mm)	1
FIXED SHELVES			
2343	**2343**	1 U fixed front-mounted shelf (depth 315 mm)	1
2344	**2344**	2 U fixed front-mounted shelf (depth 315 mm)	1
2551	**2551**	1 U fixed shelf with 4 mounting brackets for 600 mm deep racks	1
2555	**2555**	1 U fixed shelf with 4 mounting brackets for 800 mm deep racks	1
2557	**2557**	1 U fixed shelf with 4 mounting brackets for 1,000 mm deep racks	1



2563

ADJUSTABLE SLIDING SHELVES			
2563	**2563**	Adjustable sliding shelf with 4 mounting brackets for 600 mm deep racks	1
2564	**2564**	Adjustable sliding shelf with 4 mounting brackets for 800 mm deep racks	1
2565	**2565**	Adjustable sliding shelf with 4 mounting brackets for 1,000 mm deep racks	1

ADJUSTABLE SHELVES			
2556	E **2556**	Adjustable shelf with 4 mounting brackets for 800 and 1,000 mm deep racks	1

PREMIUM SERVER RACK 19"

Include 4 adjustable feet. Can be supplied without side panels (available to order)

PREMIUM
SERVER RACK



2620 (closed)



2620 (open)



2620 (front view)

19-INCH RACKS FOR SERVERS — PREMIUM SERVER RACK
[BLACK RAL 9005]

CODE	MODEL	NO. OF U	H (mm)	W (mm)	D (mm)	FRONT DOOR	REAR DOOR	PACK QUANTITY
2622	E **2622**	42 U	2000	600	1070	Double-perforated	Double-perforated	1
2620	E **2620**	42 U	2000	750	1070	Double-perforated	Double-perforated	1
2621	E **2621**	48 U	2260	600	1070	Double-perforated	Double-perforated	1



2542

ACCESSORIES AND SPARE PARTS FOR PREMIUM SERVER RACK

ACCESSORIES AND SPARE PARTS FOR PREMIUM SERVER RACK			
2542	E **2542**	Ventilation panel 300 m^3/h with thermostat (supports up to 2 units)	1

19-INCH IP66 OUTDOOR CABINETS

Galvanised and stainless steel finishes

- / Full protection certified to IP66, with sealed openings
- / Include a rain canopy as standard
- / Includes a set of 19-inch mounting rails and a cable-entry cover
- / Easy installation of forced ventilation (reducing the IP rating from IP66 to IP55)



19-INCH IP66 OUTDOOR CABINETS

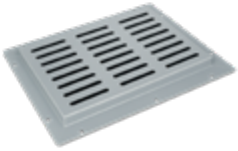
19-INCH IP66 GALVANISED STEEL OUTDOOR CABINETS (IP55 WITH VENTILATION)			
1266IPAG	**1266IPAG**	19-inch IP66 weatherproof rack cabinet, 12 U, 681 × 610 × 500 mm	1
1666IPAG	**1666IPAG**	19-inch IP66 weatherproof rack cabinet, 16 U, 859 × 610 × 500 mm	1
2066IPAG	**2066IPAG**	19-inch IP66 weatherproof rack cabinet, 20 U, 1,037 × 610 × 500 mm	1
2566IPAG	**2566IPAG**	19-inch IP66 weatherproof rack cabinet, 25 U, 1,259 × 610 × 500 mm	1
ACCESSORIES FOR 19-INCH IP66 GALVANISED STEEL OUTDOOR CABINETS (IP55 WITH VENTILATION)			
66ZAEG	**66ZAEG**	100 × 600 × 500 mm plinth for 19-inch IP66 weatherproof rack cabinet	1
66IPVAG	**66IPVAG**	Galvanised steel ventilation panel with digital thermostat for IP66 and Highway PLUS cabinets	1
66IPVAG-W	**66IPVAG-W**	Smart-series galvanised steel ventilation panel for IP66 and Highway PLUS cabinets	1
66REAF	**66REAF**	Filtered air intake grille	1
66CP	**66CP**	Smart door contact	1
66SMAG	**66SMAG**	Galvanised steel wall-mounting accessory	1
19-INCH IP66 STAINLESS STEEL OUTDOOR CABINETS (IP55 WITH VENTILATION)			
1266IPAI	**1266IPAI**	19-inch IP66 weatherproof rack cabinet, 12 U, 681 × 610 × 500 mm	1
1666IPAI	**1666IPAI**	19-inch IP66 weatherproof rack cabinet, 16 U, 859 × 610 × 500 mm	1
2066IPAI	**2066IPAI**	19-inch IP66 weatherproof rack cabinet, 20 U, 1,037 × 610 × 500 mm	1
2566IPAI	**2566IPAI**	19-inch IP66 weatherproof rack cabinet, 25 U, 1,259 × 610 × 500 mm	1



66ZAEG



66IPVAG-W



66REAF



66SMAI



2066IPAG-P

ACCESSORIES FOR 19-INCH IP66 STAINLESS STEEL OUTDOOR CABINETS (IP55 WITH VENTILATION)

66ZAEI	**66ZAEI**	100 × 600 × 500 mm stainless steel plinth for 19-inch IP66 weatherproof rack cabinet	1
66IPVAI	**66IPVAI**	Stainless steel ventilation panel with digital thermostat for IP66 and Highway PLUS cabinets	1
66IPVAI-W	**66IPVAI-W**	Smart-series stainless steel ventilation panel for IP66 and Highway PLUS cabinets	1
66CP	**66CP**	Smart door contact	1
66SMAI	**66SMAI**	Stainless steel wall-mounting accessory	1

CLIMATE CONTROL EQUIPMENT FOR 19-INCH IP66 OUTDOOR CABINETS (IP55 WITH VENTILATION)

27692	**27692**	250 W / 230 V heating element	1
2761	**2761***	600 W / 230 V heating/cooling unit. WiFi control via EK Smart	1
55300	**55300**	19-inch WiFi temperature control and alarm unit via EK Smart for 27692	1
2066 IPAG-P	**2066IPAG-P****	Pre-punched door for 2066IPAG, for mounting 2761	1
2566 IPAG-P	**2566IPAG-P****	Pre-punched door for 2566IPAG, for mounting 2761	1
2066 IPAI-P	**2066IPAI-P****	Pre-punched door for 2066IPAI, for mounting 2761	1
2566 IPAI-P	**2566IPAI-P****	Pre-punched door for 2566IPAI, for mounting 2761	1

*Other power ratings available; please enquire
**Other sizes available; please enquire

HIGHWAY PLUS 19"

19-inch IP66 outdoor racks

- / Front and rear doors for improved accessibility
- / Full protection certified to IP66, with protected openings
- / New ventilation panel design, more efficient and easier to install
- / High-security stainless steel lock
- / Cable entry with cable glands: flexible and secure
- / Reinforced double-skin sheet-metal construction with thermal insulation
- / Intelligent door-retention mechanism
- / 2 integrated support trays





66CPH

HIGHWAY PLUS IP66 OUTDOOR RACKS WITH THERMAL PROTECTION

HIGHWAY PLUS IP66 GALVANISED STEEL OUTDOOR RACK CABINETS

2466IPAG	**2466IPAG**	19-inch IP66 outdoor rack cabinet, 24 U, 1,258 × 640 × 640 mm, galvanised steel, Highway PLUS model	1
3566IPAG	**3566IPAG**	19-inch IP66 outdoor rack cabinet, 35 U, 1,747 × 640 × 640 mm, galvanised steel, Highway PLUS model	1

OPTIONAL SPARE PARTS AND ACCESSORIES FOR GALVANISED STEEL HIGHWAY PLUS

66ZAG	**66ZAG**	100 × 600 × 600 mm plinth for Highway PLUS	1
66IPVAG	**66IPVAG**	Galvanised steel ventilation panel with digital thermostat for IP66 and Highway PLUS cabinets	1
66IPVAG-W	**66IPVAG-W**	Smart-series galvanised steel ventilation panel for IP66 and Highway PLUS cabinets	1
66CPH	**66CPH**	Smart double-door contact	1

HIGHWAY PLUS IP66 STAINLESS STEEL OUTDOOR RACK CABINETS

2466IPAI	**2466IPAI**	19-inch IP66 outdoor rack cabinet, 24 U, 1,258 × 640 × 640 mm, stainless steel, Highway PLUS model	1
3566IPAI	**3566IPAI**	19-inch IP66 outdoor rack cabinet, 35 U, 1,747 × 640 × 640 mm, stainless steel, Highway PLUS model	1

OPTIONAL SPARE PARTS AND ACCESSORIES FOR STAINLESS STEEL HIGHWAY PLUS



27692

66ZAI	**66ZAI**	Stainless steel plinth 100 × 600 × 600 mm for Highway PLUS	1
66IPVAI	**66IPVAI**	Stainless steel ventilation panel with digital thermostat for IP66 and Highway PLUS cabinets	1
66IPVAI-W	**66IPVAI-W**	Smart-series stainless steel ventilation panel for IP66 and Highway PLUS cabinets	1
66CPH	**66CPH**	Smart double-door contact	1

CLIMATE CONTROL EQUIPMENT FOR HIGHWAY PLUS



2761

27692	**27692**	250 W 230 V heating element	1
2761	**2761***	600 W / 230 V heating/cooling unit. WiFi control via EK Smart	1
55300	**55300**	19-inch WiFi temperature control and alarm unit via EK Smart for 27692	1
2466IPAG-P	**2466IPAG-P****	Pre-punched door for 2466IPAG, for mounting 2761	1
3566IPAG-P	**3566IPAG-P****	Pre-punched door for 3566IPAG, for mounting 2761	1
2466IPAI-P	**2466IPAI-P****	Pre-punched door for 2466IPAI, for mounting 2761	1
3566IPAI-P	**3566IPAI-P****	Pre-punched door for 3566IPAI, for mounting 2761	1

*Other power ratings available; please enquire
**Other sizes available; please enquire

BATRACK SOLAR-BATTERY RACKS

BATRACK 19-INCH SOLAR-BATTERY RACK CABINET



27819

27817	**27817**	19-inch 9 U solar-battery rack cabinet, 445 × 540 × 600 mm, BatRack model (includes 3 shelves), heavy-duty	1
27818	**27818**	19-inch 12 U solar-battery rack cabinet, 580 × 540 × 600 mm, BatRack model (includes 4 shelves), heavy-duty	1
27819	**27819**	19-inch 15 U solar-battery rack cabinet, 710 × 540 × 600 mm, BatRack model (includes 5 shelves), heavy-duty	1
27820	**27820**	19-inch 20 U solar-battery rack cabinet, 933 × 540 × 600 mm, BatRack model (includes 5 shelves), heavy-duty	1
27821	**27821**	19-inch 25 U solar-battery rack cabinet, 1,155 × 540 × 600 mm, BatRack model (includes 5 shelves), heavy-duty	1

PANELS, CABLE MANAGERS, COVERS AND VENTILATION FOR 19-INCH RACKS



5526



55250

HORIZONTAL CABLE MANAGEMENT PANELS

5526	**5526**	19-inch 1 U horizontal cable management panel with 5 metal cable rings	1
55230	**55230**	19-inch 1 U horizontal cable management panel with cover	1
55240	**55240**	19-inch 2 U horizontal cable management panel with cover	1
55250	**55250**	19-inch 1 U brush cable-entry panel	1

19-INCH PANEL WITH DIN RAIL

2335	**2335**	19-inch 3 U panel with DIN rail, capacity for 24 poles	1

19-INCH BLANKING PANELS



2337 | 2338 | 2339

2337	**2337**	19-inch 1 U blanking panel	1
5522	**5522**	19-inch 1 U PVC tool-less blanking panel	2
2338	**2338**	19-inch 2 U blanking panel	1
2339	**2339**	19-inch 4 U blanking panel	1

FIXING SETS

2352	**2352**	Fixing set (nut, screw and washer)	50

VERTICAL CABLE MANAGERS



5519

2559	**2559**	Rack baying kit	1
5519	**5519**	Vertical cable manager (45 × 65)	1
5511	**5511**	Vertical cable manager (70 × 95)	1

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OPENETICS / ADALTRA

PROFESSIONAL PDU POWER STRIPS

PDU POWER DISTRIBUTION STRIPS
[PDU POWER DISTRIBUTION UNITS]

19-INCH PDU PROFESSIONAL POWER STRIPS [SCHUKO POWER OUTLETS]



02394

02394	**02394**	19-inch professional PDU power strip, 6 Schuko power outlets with switch	1
02397	**02397**	19-inch professional PDU power strip, 8 Schuko power outlets with switch	1
026029	**026029**	19-inch professional PDU power strip, 9 Schuko power outlets without switch	1
2395	**2395**	19-inch professional PDU power strip, 6 Schuko power outlets with circuit breaker	1
26024	**26024**	19-inch professional PDU power strip, 8 Schuko power outlets without switch, CETAC 32 plug, 3 × 4 cable	1



2395

Other terminations available; please enquire

0 U PDU PROFESSIONAL POWER STRIPS [SCHUKO POWER OUTLETS]



2400

2400	**2400**	0 U professional PDU power strip, 12 Schuko power outlets without switch	1
26030	**26030**	0 U professional PDU power strip, 16 Schuko power outlets without switch	1
26031	**26031**	0 U professional PDU power strip, 24 Schuko power outlets without switch	1

Other custom 0 U PDU configurations available; please enquire

19-INCH PDU PROFESSIONAL POWER STRIPS WITH SWITCH [FRENCH POWER OUTLETS]



02399

02399	**02399**	19-inch professional PDU power strip, 8 French power outlets with switch	1

Other terminations available; please enquire

19-INCH PDU PROFESSIONAL POWER STRIPS WITH SWITCH [AMERICAN POWER OUTLETS]



28000

28000	**28000**	19-inch professional PDU power strip, 8 American NEMA power outlets with switch, 1.8 m cable	1

Other terminations available; please enquire

BASIC PDU "DATA CENTER GRADE"

BASIC PDU "DATA CENTER GRADE" [IEC 320 C13 / IEC 320 C19 / SCHUKO POWER OUTLETS]



26015 **26012**

26013/C16	**26013/C16**	BASIC PDU 0 U, 24 × IEC 320 C13 power outlets + 4 × IEC 320 C19 power outlets, CETAC 16 A plug	1
26074	**26074**	BASIC PDU 0 U, 48 × IEC 320 C13 power outlets, IEC 30 three-phase 32 A plug	1
26015	**26015**	BASIC PDU 0 U, 12 × IEC 320 C13 power outlets + 6 × IEC 320 C19 power outlets, CETAC 32 A plug	1
26017	**26017**	BASIC PDU 0 U, 12 × IEC 320 C19 power outlets, CETAC 32 A plug	1
26018	**26018**	BASIC PDU 0 U, 12 × IEC 320 C19 power outlets, three-phase 22 K, CETAC 32 A plug	1
2445	**2445**	BASIC PDU 0 U, 16 × IEC 320 C13 power outlets + 1 × 16 A circuit breaker + 4 × IEC 320 C19 power outlets + 1 × 16 A circuit breaker, CETAC 32 A plug	1
27791	**27791**	BASIC PDU 0 U, 18 × IEC 320 C13 power outlets + 2 × IEC320 C19 power outlets with LED indicator	1
26014	**26014**	BASIC PDU 0 U, 24 × IEC 320 C13 power outlets + 1 × 10 A circuit breaker + 4 × IEC 320 C19 power outlets + 1 × 16 A circuit breaker, CETAC 32 A plug	1
26012	**26012**	BASIC PDU 0 U, 24 × IEC 320 C13 power outlets + 2 × 10 A circuit breakers, CETAC 32 A plug	1



26009



26028

26013	**26013**	BASIC PDU 0 U, 24 × IEC 320 C13 power outlets + 4 × IEC 320 C19 power outlets, CETAC 32 A plug	1
26011	**26011**	BASIC PDU 0 U, 24 × IEC 320 C13 power outlets, CETAC 32 A plug	1
26067	N **26067**	BASIC PDU 0 U, 24 × Schuko 16 A power outlets, no cable	1
26068	N **26068**	BASIC PDU 0 U, 24 × Schuko 16 A power outlets, no cable, with 3 × 16 A thermal protectors	1
2446	**2446**	BASIC PDU 0 U, 36 × IEC 320 C13 power outlets + 6 × IEC 320 C19 power outlets, single-phase C32, thermal protection, CETAC 32 A plug	1
26027	**26027**	BASIC PDU 0 U, 36 × IEC 320 C13 power outlets + 6 × IEC 320 C19 power outlets, single-phase C32, CETAC 32 A plug	1
8139	N **8139**	BASIC PDU 0 U, 20 × Schuko 16 A power outlets + 24 × IEC 320 C13 10 A single-phase power outlets, 230 V, CETAC 32 A plug	1
26016	**26016**	BASIC PDU 0 U, 12 × IEC 320 C13 power outlets + 1 × 10 A circuit breaker + 6 × IEC 320 C19 power outlets + 1 × 16 A circuit breaker, CETAC 32 A plug	1
26019	**26019**	BASIC PDU 0 U, 12 × IEC 320 C19 power outlets + 3 × 16 A circuit breakers, three-phase 22 kW, CETAC 32 A plug	1
26009	**26009**	BASIC PDU 0 U, 18 × IEC 320 C13 power outlets + 2 × IEC 320 C19 power outlets, CETAC 32 A plug	1
26028	**26028**	BASIC PDU 0 U, 36 × IEC 320 C13 power outlets + 6 × IEC 320 C19 power outlets, three-phase C32, CETAC 32 A plug	1
2447	**2447**	BASIC PDU 0 U, 36 × IEC 320 C13 power outlets + 6 × IEC 320 C19 power outlets, three-phase C32, thermal protection, CETAC 32 A plug	1
26032	N **26032**	BASIC PDU 0 U, 12 × IEC 320 C13 power outlets + 8 × Schuko 16 A power outlets, single-phase, CETAC 32 A plug	1

BASIC PDU (DATA CENTERV GRADE) REFERENCES BY POWER OUTLET TYPE

BASIC PDU (DATA CENTER GRADE)

REFERENCE	C13	C19	Shucko	Circuit breaker		Thermal protec-tors
				10 A	16 A	
26013/C16	24	4	-	-	-	-
26074	48	-	-	-	-	-
26015	12	6	-	-	-	-
26017	-	12	-	-	-	-
26018	-	12	-	-	-	-
2445	16	4	-	-	2	-
27791	18	2	-	-	-	1
26014	24	4	-	1	1	-
26012	24	-	-	2	-	-
26013	24	4	-	-	-	-
26011	24	-	-	-	-	-
26067	-	-	24	-	-	-
26068	-	-	24	-	-	3
2446	36	6	-	-	-	1
26027	36	6	-	-	-	-
8139	24	-	20	-	-	-
26016	12	6	-	1	1	-
26019		12	-	-	-	-
26009	18	2	-	-		-
26028	36	6	-	-	-	-
2447	36	6	-	-	-	1
26032	12	-	8	-	-	-



26019/IP **26028/IP**

BASIC SMART TCP/IP PDU (DATA CENTER GRADE) [IEC 320 C13 / IEC 320 C19 / SCHUKO POWER OUTLETS]

26015/IP	**26015/IP**	BASIC SMART IP/PDU 0 U, 12 × IEC 320 C13 power outlets + 6 × IEC 320 C19 power outlets, CETAC 32 A plug	1
26017/IP	**26017/IP**	BASIC SMART IP/PDU 0 U, 12 × IEC 320 C19 power outlets, CETAC 32 A plug	1
26018/IP	**26018/IP**	BASIC SMART IP/PDU 0 U, 12 × IEC 320 C19 power outlets, three-phase 22 K, CETAC 32 A plug	1
2445/IP	**2445/IP**	BASIC SMART IP/PDU 0 U, 16 × IEC 320 C13 power outlets + 1 × 16 A circuit breaker + 4 × IEC 320 C19 power outlets + 1 × 16 A circuit breaker, CETAC 32 A plug	1
26014/IP	**26014/IP**	BASIC SMART IP/PDU 0 U, 24 × IEC 320 C13 power outlets + 1 × 10 A circuit breaker + 4 × IEC 320 C19 power outlets + 1 × 16 A circuit breaker, CETAC 32 A plug	1
26012/IP	**26012/IP**	BASIC SMART IP/PDU 0 U, 24 × IEC 320 C13 power outlets + 2 × 10 A circuit breakers, CETAC 32 A plug	1
26013/IP	**26013/IP**	BASIC SMART IP/PDU 0 U, 24 × IEC 320 C13 power outlets + 4 × IEC 320 C19 power outlets, CETAC 32 A plug	1
26013/IP C16	**N 26013/IP C16**	BASIC SMART IP/PDU 0 U, 24 × IEC 320 C13 power outlets + 4 × IEC 320 C19 power outlets, CETAC 16 A plug	1
26011/IP	**26011/IP**	BASIC SMART IP/PDU 0 U, 24 × IEC 320 C13 power outlets, CETAC 32 A plug	1
26027/IP	**26027/IP**	BASIC SMART IP/PDU 0 U, 36 × IEC 320 C13 power outlets + 6 × IEC 320 C19 power outlets, single-phase C32, CETAC 32 A plug	1
26016/IP	**26016/IP**	BASIC SMART IP/PDU 0 U, 12 × IEC 320 C13 power outlets + 1 × 10 A circuit breaker + 6 × IEC 320 C19 power outlets + 1 × 16 A circuit breaker, CETAC 32 A plug	1
26019/IP	**26019/IP**	BASIC SMART IP/PDU 0 U, 12 × IEC 320 C19 power outlets + 3 × 16 A circuit breakers, three-phase 22 kW, CETAC 32 A plug	1
26009/IP	**26009/IP**	BASIC SMART IP/PDU 0 U, 18 × IEC 320 C13 power outlets + 2 × IEC 320 C19 power outlets, CETAC 32 A plug	1
26099/IP	**N 26099/IP**	BASIC SMART IP/PDU 0 U, 20 × IEC 320 C13 power outlets + 2 × Schuko power outlets	1
26028/IP	**26028/IP**	BASIC SMART IP/PDU 0 U, 36 × IEC 320 C13 power outlets + 6 × IEC 320 C19 power outlets, three-phase C32, CETAC 32 A plug	1
2447/IP	**2447/IP**	BASIC SMART IP/PDU 0 U, 36 × IEC 320 C13 power outlets + 6 × IEC 320 C19 power outlets, three-phase C32, thermal protection, CETAC 32 A plug	1
26046	**26046**	TCP/IP INTELLIGENT PDU, 1 U, 19-inch, 8 × IEC 320 C13 power outlets, CETAC 16 A plug, 230 V	1
26046/32	**26046/32**	TCP/IP INTELLIGENT PDU, 1 U, 19-inch, 8 × IEC 320 C13 power outlets, CETAC 32 A plug, 230 V	1
26046/IP	**N 26046/IP**	TCP/IP INTELLIGENT PDU, 1 U, 19-inch, 8 × IEC 320 C13 power outlets, Schuko plug, 230 V	1
26075	**N 26075**	TCP/IP INTELLIGENT PDU, 0 U, 21 × IEC 320 C13 + 3 × IEC 320 C19 power outlets, CETAC 32 A plug, 230 V	1
26043	**26043**	TCP/IP INTELLIGENT PDU 0 U, 20 IEC 320 C13 outlets + 4 IEC 320 C19 outlets, CETAC 16 A plug, 230 V	1
26043/32	**N 26043/32**	TCP/IP INTELLIGENT PDU 0 U, 20 IEC 320 C13 outlets + 4 IEC 320 C19 outlets, CETAC 32 A plug, 230 V	1
26069	**N 26069**	TCP/IP INTELLIGENT PDU 0 U, 24 IEC 320 C13 outlets, CETAC 32 A plug, 230 V	1

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OPENETICS / ADALTRA

OPTICAL FIBRE MM/SM

CODE	REFERENCE	DESCRIPTION	PACK QUANTITY

DIELECTRIC SINGLE-TUBE MM OM2 LSZH FIBRE-OPTIC CABLES INDOOR / OUTDOOR

DIELECTRIC MULTIMODE OM2 FIBRE-OPTIC CABLES [50/125 µm], LSZH Cca, LOOSE-TUBE CONSTRUCTION, BLACK



05183

05182	E 05182	Dielectric OM2 fibre-optic cable with 8 fibres, LSZH Cca s1a, d0, a1	1
05183	E 05183	Dielectric OM2 fibre-optic cable with 12 fibres, LSZH Cca s1a, d0, a1	1
05115	E 05115	Dielectric OM2 fibre-optic cable with 24 fibres, LSZH Cca s1a, d0, a1	1

DIELECTRIC MULTIMODE OM2 FIBRE-OPTIC CABLES [50/125 µm], LSZH Eca, LOOSE-TUBE CONSTRUCTION, BLACK



04908

04908	E 04908	Dielectric OM2 fibre-optic cable with 12 fibres, LSZH Eca	1
04910	E 04910	Dielectric OM2 fibre-optic cable with 24 fibres, LSZH Eca	1

DIELECTRIC SINGLE-TUBE MM OM3 LSZH FIBRE-OPTIC CABLES INDOOR / OUTDOOR

DIELECTRIC MULTIMODE OM3 FIBRE-OPTIC CABLES [50/125 µm], LSZH B2ca, LOOSE-TUBE CONSTRUCTION, AQUA



05200

05200	N 05200	Dielectric OM3 fibre-optic cable with 4 fibres, Outer Ø 7 mm, LSZH B2ca s1a, d0, a1	1
05201	N 05201	Dielectric OM3 fibre-optic cable with 8 fibres, Outer Ø 7 mm, LSZH B2ca s1a, d0, a1	1
05202	N 05202	Dielectric OM3 fibre-optic cable with 12 fibres, Outer Ø 7 mm, LSZH B2ca s1a, d0, a1	1
05203	N 05203	Dielectric OM3 fibre-optic cable with 16 fibres, Outer Ø 7.5 mm, LSZH B2ca s1a, d0, a1	1
05204	N 05204	Dielectric OM3 fibre-optic cable with 24 fibres, Outer Ø 7.5 mm, LSZH B2ca s1a, d0, a1	1

DIELECTRIC MULTIMODE OM3 FIBRE-OPTIC CABLES [50/125 µm], LSZH Cca, LOOSE-TUBE CONSTRUCTION, AQUA



05163

05162	E 05162	Dielectric OM3 fibre-optic cable with 8 fibres, LSZH Cca s1a, d0, a1	1
05163	E 05163	Dielectric OM3 fibre-optic cable with 12 fibres, LSZH Cca s1a, d0, a1	1
05165	E 05165	Dielectric OM3 fibre-optic cable with 24 fibres, LSZH Cca s1a, d0, a1	1

DIELECTRIC MULTIMODE OM3 FIBRE-OPTIC CABLES [50/125 µm], LSZH Fca, LOOSE-TUBE CONSTRUCTION, BLACK



14970

14966	N 14966	Dielectric OM3 fibre-optic cable with 4 fibres, Outer Ø 7 mm, LSZH Fca	1
14967	N 14967	Dielectric OM3 fibre-optic cable with 8 fibres, Outer Ø 7 mm, LSZH Fca	1
14968	N 14968	Dielectric OM3 fibre-optic cable with 12 fibres, Outer Ø 7 mm, LSZH Fca	1
14969	N 14969	Dielectric OM3 fibre-optic cable with 16 fibres, Outer Ø 7.5 mm, LSZH Fca	1
14970	N 14970	Dielectric OM3 fibre-optic cable with 24 fibres, Outer Ø 7.5 mm, LSZH Fca	1

DIELECTRIC SINGLE-TUBE MM OM4 LSZH FIBRE-OPTIC CABLES INDOOR / OUTDOOR

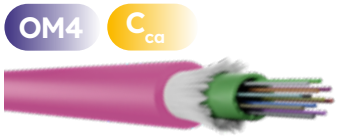
DIELECTRIC MULTIMODE OM4 FIBRE-OPTIC CABLES [50/125 µm], LSZH B2ca, LOOSE-TUBE CONSTRUCTION, SLIM TYPE, VIOLET



05223

05221	N 05221	Dielectric OM4 fibre-optic cable with 4 fibres, Outer Ø 7 mm, LSZH, B2ca s1a, d0, a1	1
05222	N 05222	8-fibre OM4 dielectric fibre-optic cable, Outer Ø 7 mm, LSZH, B2ca s1a, d0, a1	1
05223	N 05223	12-fibre OM4 dielectric fibre-optic cable, Outer Ø 7 mm, LSZH, B2ca s1a, d0, a1	1
05224	N 05224	16-fibre OM4 dielectric fibre-optic cable, Outer Ø 7.5 mm, LSZH, B2ca s1a, d0, a1	1
05225	N 05225	24-fibre OM4 dielectric fibre-optic cable, Outer Ø 7.5 mm, LSZH, B2ca s1a, d0, a1	1

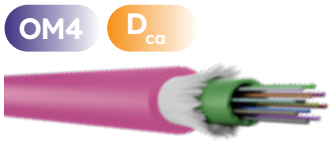
MULTIMODE OM4 DIELECTRIC FIBRE-OPTIC CABLES [50/125 µm], LSZH Cca, LOOSE-TUBE CONSTRUCTION, VIOLET COLOUR



05151

05150	E 05150	Dielectric OM4 fibre-optic cable with 4 fibres, LSZH Cca s1a, d0, a1	1
05151	E 05151	6-fibre OM4 dielectric fibre-optic cable, LSZH Cca s1a, d0, a1	1

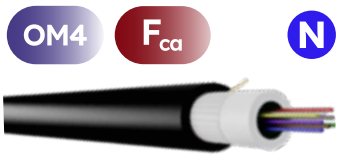
DIELECTRIC MULTIMODE OM4 FIBRE-OPTIC CABLES [50/125 µm], LSZH Dca, LOOSE-TUBE CONSTRUCTION, VIOLET COLOUR



05083

05080	E 05080	Dielectric OM4 fibre-optic cable with 4 fibres, LSZH Dca s1a, d1, a1	1
05083	E 05083	12-fibre OM4 dielectric fibre-optic cable, LSZH Dca s1a, d1, a1	1

DIELECTRIC MULTIMODE OM4 FIBRE-OPTIC CABLES [50/125 µm], LSZH Fca, LOOSE-TUBE CONSTRUCTION, SLIM TYPE, BLACK



14972

14971	N 14971	Dielectric OM4 fibre-optic cable with 4 fibres, Outer Ø 7 mm, LSZH, Fca	1
14972	N 14972	8-fibre OM4 dielectric fibre-optic cable, Outer Ø 7 mm, LSZH, Fca	1
14973	N 14973	12-fibre OM4 dielectric fibre-optic cable, Outer Ø 7 mm, LSZH, Fca	1
14974	N 14974	16-fibre OM4 dielectric fibre-optic cable, Outer Ø 7.5 mm, LSZH, Fca	1
14975	N 14975	24-fibre OM4 dielectric fibre-optic cable, Outer Ø 7.5 mm, LSZH, Fca	1

DIELECTRIC SINGLE-TUBE MM OM5 LSZH FIBRE-OPTIC CABLES INDOOR / OUTDOOR

MULTIMODE OM5 DIELECTRIC FIBRE-OPTIC CABLES [50/125 µm], LSZH B2ca, LOOSE-TUBE CONSTRUCTION, SLIM TYPE, LIME



05233

05232	N 05232	8-fibre OM5 dielectric fibre-optic cable, Outer Ø 7 mm, LSZH, B2ca s1a, d0, a1	1
05233	N 05233	12-fibre OM5 dielectric fibre-optic cable, Outer Ø 7 mm, LSZH, B2ca s1a, d0, a1	1
05235	N 05235	16-fibre OM5 dielectric fibre-optic cable, Outer Ø 7.5 mm, LSZH, B2ca s1a, d0, a1	1
05234	N 05234	24-fibre OM5 dielectric fibre-optic cable, Outer Ø 7.5 mm, LSZH, B2ca s1a, d0, a1	1

METAL-ARMOURED SINGLE-TUBE MM FIBRE-OPTIC CABLES - OUTDOOR

MULTIMODE OM2 METAL-ARMOURED FIBRE-OPTIC CABLES [50/125 µm] FOR OUTDOOR USE, Fca, LOOSE-TUBE CONSTRUCTION, BLACK

OM2 F_{ca}



14914

14912	E 14912	6-fibre OM2 metal-armoured fibre-optic cable for outdoor use, Fca	1
14913	E 14913	8-fibre OM2 metal-armoured fibre-optic cable for outdoor use, Fca	1
14914	E 14914	12-fibre OM2 metal-armoured fibre-optic cable for outdoor use, Fca	1
14916	E 14916	24-fibre OM2 metal-armoured fibre-optic cable for outdoor use, Fca	1

OM3 F_{ca}



14965

MULTIMODE OM3 METAL-ARMOURED FIBRE-OPTIC CABLES [50/125 µm] FOR OUTDOOR USE, Fca, LOOSE-TUBE CONSTRUCTION, BLACK

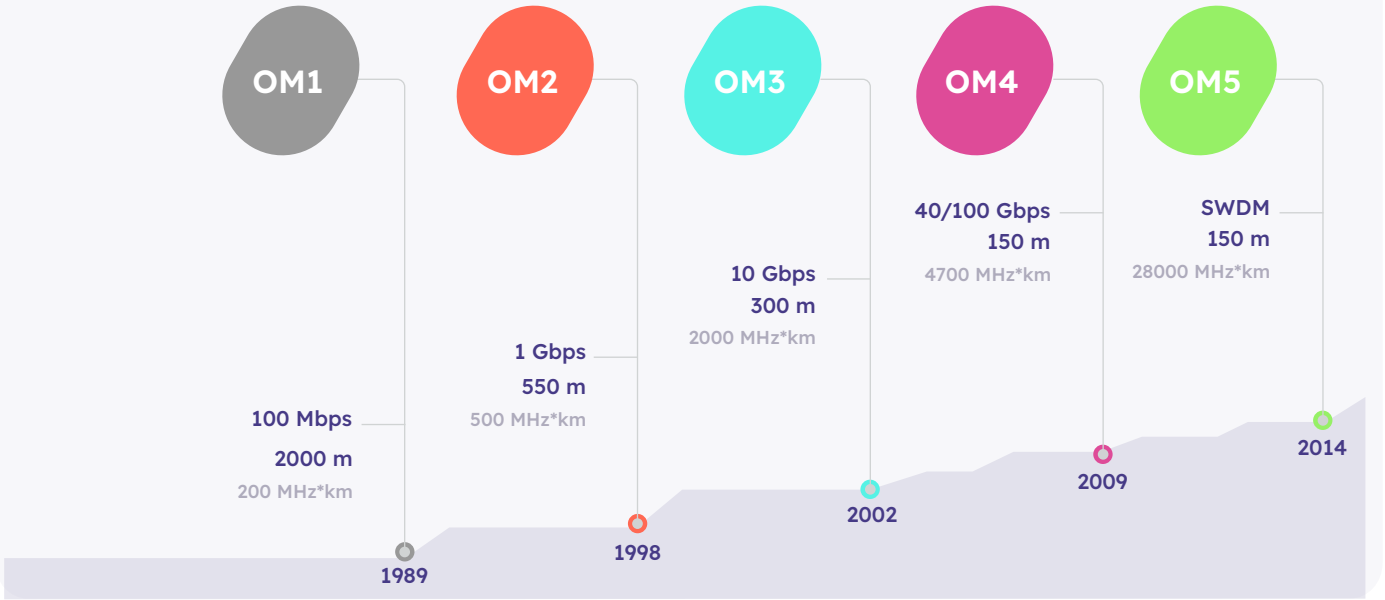
14962	E 14962	8-fibre OM3 metal-armoured fibre-optic cable, for outdoor use, Fca	1

FIBRE-OPTIC ACCESSORIES AND SERVICES

FIBRE-OPTIC CABLE REELS AND CUTTING SERVICE

360007	CFC	Cable or fibre cutting service. Includes reel	1

Evolution of multimode optical fibre by bandwidth and distance



MULTIMODE FIBRE-OPTIC PATCH CORDS

MULTIMODE OM1 DUPLEX FIBRE PATCH CORDS [62.5/125 µm], PC POLISH, ORANGE

OM1



4917

5062/3	E **5062/3**	OM1 duplex fibre patch cord [62.5/125 µm], ST-ST, 3 m	1
5062/10	E **5062/10**	OM1 duplex fibre patch cord [62.5/125 µm], ST-ST, 10 m	1
5062/16	E **5062/16**	OM1 duplex fibre patch cord [62.5/125 µm], ST-ST, 16 m	1
5074/3	E **5074/3**	OM1 duplex fibre patch cord [62.5/125 µm], ST-SC, 3 m	1
5074/5	E **5074/5**	OM1 duplex fibre patch cord [62.5/125 µm], ST-SC, 5 m	1
5074/10	E **5074/10**	OM1 duplex fibre patch cord [62.5/125 µm], ST-SC, 10 m	1
5074/20	E **5074/20**	OM1 duplex fibre patch cord [62.5/125 µm], ST-SC, 20 m	1
4917/1	E **4917/1**	OM1 duplex fibre patch cord [62.5/125 µm], LC-SC, 1 m	1
4917	E **4917**	OM1 duplex fibre patch cord [62.5/125 µm], LC-SC, 2 m	1
4917/3	E **4917/3**	OM1 duplex fibre patch cord [62.5/125 µm], LC-SC, 3 m	1
4917/5	E **4917/5**	OM1 duplex fibre patch cord [62.5/125 µm], LC-SC, 5 m	1
4917/10	E **4917/10**	OM1 duplex fibre patch cord [62.5/125 µm], LC-SC, 10 m	1
4918/0.5	E **4918/0.5**	OM1 duplex fibre patch cord [62.5/125 µm], ST-LC, 0.5 m	1
4918/1	E **4918/1**	OM1 duplex fibre patch cord [62.5/125 µm], ST-LC, 1 m	1
4918	E **4918**	OM1 [62.5/125 µm] duplex fibre patch cord, ST-LC, 2 m	1
4918/3	E **4918/3**	OM1 [62.5/125 µm] duplex fibre patch cord, ST-LC, 3 m	1
4918/4	E **4918/4**	OM1 [62.5/125 µm] duplex fibre patch cord, ST-LC, 4 m	1
4918/5	E **4918/5**	OM1 [62.5/125 µm] duplex fibre patch cord, ST-LC, 5 m	1
4918/10	E **4918/10**	OM1 [62.5/125 µm] duplex fibre patch cord, ST-LC, 10 m	1
5070	E **5070**	OM1 [62.5/125 µm] duplex fibre patch cord, MTRJ-MTRJ, 2 m	1
5071/3	E **5071/3**	OM1 [62.5/125 µm] duplex fibre patch cord, MTRJ-SC, 3 m	1
4919	E **4919**	OM1 [62.5/125 µm] duplex fibre patch cord, LC-LC, 2 m	1
4919/5	E **4919/5**	OM1 [62.5/125 µm] duplex fibre patch cord, LC-LC, 5 m	1
4919/10	E **4919/10**	OM1 [62.5/125 µm] duplex fibre patch cord, LC-LC, 10 m	1

MULTIMODE OM2 DUPLEX FIBRE PATCH CORDS [50/125 µM], PC POLISH, ORANGE

4920	E **4920**	OM2 [50/125 µm] duplex fibre patch cord, SC-SC, 2 m	1
4920/3	E **4920/3**	OM2 [50/125 µm] duplex fibre patch cord, SC-SC, 3 m	1
4920/5	E **4920/5**	OM2 [50/125 µm] duplex fibre patch cord, SC-SC, 5 m	1
4920/10	E **4920/10**	OM2 [50/125 µm] duplex fibre patch cord, SC-SC, 10 m	1
4920/80	E **4920/80**	OM2 [50/125 µm] duplex fibre patch cord, SC-SC, 80 m	1

OM2



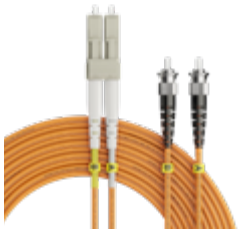
4922

OM2



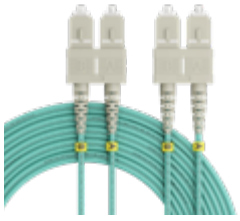
4926

OM2



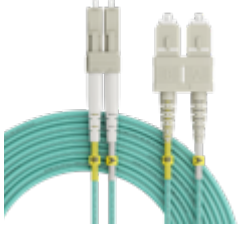
4927

OM3



4929

OM3



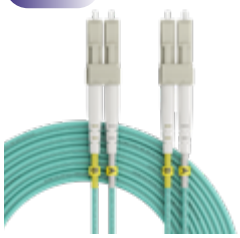
4933

4921	E **4921**	OM2 [50/125 µm] duplex fibre patch cord, ST-ST, 2 m	1
4921/5	E **4921/5**	OM2 [50/125 µm] duplex fibre patch cord, ST-ST, 5 m	1
4921/10	E **4921/10**	OM2 [50/125 µm] duplex fibre patch cord, ST-ST, 10 m	1
4922/1	E **4922/1**	OM2 [50/125 µm] duplex fibre patch cord, ST-SC, 1 m	1
4922	E **4922**	OM2 [50/125 µm] duplex fibre patch cord, ST-SC, 2 m	1
4922/3	E **4922/3**	OM2 [50/125 µm] duplex fibre patch cord, ST-SC, 3 m	1
4922/5	E **4922/5**	OM2 [50/125 µm] duplex fibre patch cord, ST-SC, 5 m	1
4925/5	E **4925/5**	OM2 [50/125 µm] duplex fibre patch cord, MTRJ-ST, 5 m	1
4926/1	E **4926/1**	OM2 [50/125 µm] duplex fibre patch cord, LC-SC, 1 m	1
4926	E **4926**	OM2 [50/125 µm] duplex fibre patch cord, LC-SC, 2 m	1
4926/3	E **4926/3**	OM2 [50/125 µm] duplex fibre patch cord, LC-SC, 3 m	1
4926/5	E **4926/5**	OM2 [50/125 µm] duplex fibre patch cord, LC-SC, 5 m	1
4926/10	E **4926/10**	OM2 [50/125 µm] duplex fibre patch cord, LC-SC, 10 m	1
4927/1	E **4927/1**	OM2 [50/125 µm] duplex fibre patch cord, ST-LC, 1 m	1
4927	E **4927**	OM2 [50/125 µm] duplex fibre patch cord, ST-LC, 2 m	1
4927/3	E **4927/3**	OM2 [50/125 µm] duplex fibre patch cord, ST-LC, 3 m	1
4927/5	E **4927/5**	OM2 [50/125 µm] duplex fibre patch cord, ST-LC, 5 m	1
4928	E **4928**	OM2 [50/125 µm] duplex fibre patch cord, LC-LC, 2 m	1
4928/3	E **4928/3**	OM2 [50/125 µm] duplex fibre patch cord, LC-LC, 3 m	1
4928/5	E **4928/5**	OM2 [50/125 µm] duplex fibre patch cord, LC-LC, 5 m	1

MULTIMODE OM3 DUPLEX FIBRE PATCH CORDS [50/125 µm], PC POLISH, AQUA COLOUR

4929	**4929**	OM3 [50/125 µm] duplex fibre patch cord, SC-SC, 2 m	1
4929/3	**4929/3**	OM3 [50/125 µm] duplex fibre patch cord, SC-SC, 3 m	1
4929/5	**4929/5**	OM3 [50/125 µm] duplex fibre patch cord, SC-SC, 5 m	1
4929/10	**4929/10**	OM3 [50/125 µm] duplex fibre patch cord, SC-SC, 10 m	1
5156	E **5156**	OM3 [50/125 µm] duplex fibre patch cord, ST-SC, 2 m	1
4933/1	**4933/1**	OM3 [50/125 µm] duplex fibre patch cord, LC-SC, 1 m	1
4933	**4933**	OM3 [50/125 µm] duplex fibre patch cord, LC-SC, 2 m	1
4933/3	**4933/3**	OM3 [50/125 µm] duplex fibre patch cord, LC-SC, 3 m	1
4933/5	**4933/5**	OM3 [50/125 µm] duplex fibre patch cord, LC-SC, 5 m	1
4933/10	**4933/10**	OM3 [50/125 µm] duplex fibre patch cord, LC-SC, 10 m	1

OM3

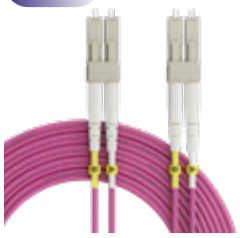


4930

4930/1	**4930/1**	OM3 [50/125 µm] duplex fibre patch cord, LC-LC, 1 m	1
4930	**4930**	OM3 [50/125 µm] duplex fibre patch cord, LC-LC, 2 m	1
4930/3	**4930/3**	OM3 [50/125 µm] duplex fibre patch cord, LC-LC, 3 m	1
4930/5	**4930/5**	OM3 [50/125 µm] duplex fibre patch cord, LC-LC, 5 m	1
4930/10	**4930/10**	OM3 [50/125 µm] duplex fibre patch cord, LC-LC, 10 m	1
4937	E **4937**	OM3 [50/125 µm] duplex fibre patch cord, ST-LC, 2 m	1
4937/3	E **4937/3**	OM3 [50/125 µm] duplex fibre patch cord, ST-LC, 3 m	1

MULTIMODE OM4 DUPLEX FIBRE PATCH CORDS [50/125 µm], PC POLISH, VIOLET

OM4



50690

50690/1	**50690/1**	OM4 [50/125 µm] duplex fibre patch cord, LC-LC, 1 m	1
50690	**50690**	OM4 [50/125 µm] duplex fibre patch cord, LC-LC, 2 m	1
50690/3	**50690/3**	OM4 [50/125 µm] duplex fibre patch cord, LC-LC, 3 m	1
50690/5	**50690/5**	OM4 [50/125 µm] duplex fibre patch cord, LC-LC, 5 m	1
50690/7,5	**50690/7,5**	OM4 [50/125 µm] duplex fibre patch cord, LC-LC, 7.5 m	1
50695/1	N **50695/1**	OM4 [50/125 µm] duplex fibre patch cord, LC-SC, 1 m	1
50695	**50695**	OM4 [50/125 µm] duplex fibre patch cord, LC-SC, 2 m	1
50695/3	**50695/3**	OM4 [50/125 µm] duplex fibre patch cord, LC-SC, 3 m	1
50695/5	N **50695/5**	OM4 [50/125 µm] duplex fibre patch cord, LC-SC, 5 m	1
50696/1	**50696/1**	OM4 [50/125 µm] duplex fibre patch cord, SC-SC, 1 m	1
50696	**50696**	OM4 [50/125 µm] duplex fibre patch cord, SC-SC, 2 m	1
50696/3	**50696/3**	OM4 [50/125 µm] duplex fibre patch cord, SC-SC, 3 m	1
50696/5	**50696/5**	OM4 [50/125 µm] duplex fibre patch cord, SC-SC, 5 m	1
50697	E **50697**	OM4 [50/125 µm] duplex fibre patch cord, ST-LC, 2 m	1

MULTIMODE OM5 DUPLEX FIBRE PATCH CORDS [50/125 µm], PC POLISH, LIME

50900/1	N **50900/1**	OM5 [50/125 µm] duplex fibre patch cord, LC-LC, 1 m	1
50900	N **50900**	OM5 [50/125 µm] duplex fibre patch cord, LC-LC, 2 m	1
50900/3	N **50900/3**	OM5 [50/125 µm] duplex fibre patch cord, LC-LC, 3 m	1
50900/5	N **50900/5**	OM5 [50/125 µm] duplex fibre patch cord, LC-LC, 5 m	1

MECHANICAL SPLICES

MECHANICAL SPLICES



50481

50481	**50481**	Mechanical splice for fibre-optic cassette (250 µm and 900 µm)	20

PRE-POLISHED “FAST” CONNECTORS FOR MULTIMODE OPTICAL FIBRE



51029

FAST CONNECTORS FOR OM1 MULTIMODE OPTICAL FIBRE

51029	**51029**	FAST connector OM1 [62.5/125 µm], SC/PC, 0.9 mm	1

FAST CONNECTORS FOR OM2 MULTIMODE OPTICAL FIBRE

51028	**51028**	FAST connector OM2 [50/125 µm], SC/PC, 3 mm	1



51034

FAST CONNECTORS FOR OM3 MULTIMODE OPTICAL FIBRE

51034	**51034**	FAST connector OM3 [50/125 µm], SC/PC, 0.9 mm	1
51033	**51033**	FAST connector OM3 [50/125 µm], LC/PC, 0.9 mm	1

MICROTUBES FOR FAST CONNECTORS

51035	**51035**	900/250 µm microtube for 0.9 mm FAST connector (10 m)	1

BULKHEAD ADAPTERS FOR MULTIMODE OPTICAL FIBRE

MULTIMODE BULKHEAD ADAPTERS



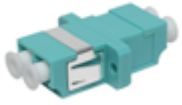
5089



50511



5090



5093



5490



5493

5055	**5055**	OM2 ST/PC simplex bulkhead adapter with mounting flanges	1
5076	**5076**	OM2 SC/PC simplex bulkhead adapter with mounting flanges	1
5079	**5079**	OM2 FC/PC simplex bulkhead adapter with mounting flanges	1
5101	**5101**	OM2 ST/PC duplex bulkhead adapter with mounting flanges	1
5060	**5060**	OM2 SC/PC duplex bulkhead adapter with mounting flanges	1
5050	**5050**	OM2 SC/ST duplex bulkhead adapter with mounting flanges	1
5087	**5087**	OM2 LC/PC duplex bulkhead adapter with mounting flanges	1
5089	**5089**	OM3 SC/PC simplex bulkhead adapter with mounting flanges	1
50511	**50511**	OM3 SC/PC simplex bulkhead adapter without mounting flanges	1
5090	**5090**	OM3 SC/PC duplex bulkhead adapter with mounting flanges	1
5093	**5093**	OM3 LC/PC duplex bulkhead adapter with mounting flanges	1
50515	**50515**	OM3 LC/PC duplex bulkhead adapter without mounting flanges	1
5491	**5491**	OM3 LC/PC quadruplex bulkhead adapter with mounting flanges	1
5489	**5489**	OM4 SC/PC simplex bulkhead adapter with mounting flanges	1
50516	**50516**	OM4 SC/PC simplex bulkhead adapter without mounting flanges	1
5490	**5490**	OM4 SC/PC duplex bulkhead adapter with mounting flanges	1
5493	**5493**	OM4 LC/PC duplex bulkhead adapter with mounting flanges	1
5494	**5494**	OM4 LC/PC duplex bulkhead adapter without mounting flanges	1
5492	**5492**	OM4 LC/PC quadruplex bulkhead adapter with mounting flanges	1
5495	**5495**	OM5 SC/PC simplex bulkhead adapter with mounting flanges	1
5499	**5499**	OM5 SC/PC simplex bulkhead adapter without mounting flanges	1



5496

5496	**5496**	OM5 SC/PC duplex bulkhead adapter with mounting flanges	1
5497	**5497**	OM5 LC/PC duplex bulkhead adapter with mounting flanges	1
5498	**5498**	OM5 LC/PC duplex bulkhead adapter without mounting flanges	1
54910	**54910**	OM5 LC/PC quadruplex bulkhead adapter with mounting flanges	1

MODULAR DIN-RAIL PRODUCTS



New Design

50039

DIN-RAIL FIBRE-OPTIC MODULES (1 POLE = 18 MM)

50039	**50039**	SC simplex fibre-optic module for DIN rail (bulkhead adapter included) [updated design]	1
50041	**50041**	LC duplex fibre-optic module for DIN rail (bulkhead adapter included) [updated design]	1

MULTIMODE FIBRE-OPTIC PIGTAILS

OM1



5061

OM1 MULTIMODE PIGTAILS [62.5/125 µm] UPC POLISH, LSZH, ORANGE

5061	E **5061**	OM1 pigtail [62.5/125 µm], ST/UPC, LSZH, 1 m	1
5163	E **5163**	OM1 pigtail [62.5/125 µm], SC/UPC, LSZH, 1 m	1

OM2

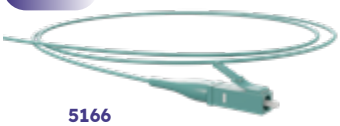


5159

OM2 MULTIMODE PIGTAILS [50/125 µm] UPC POLISH, LSZH, ORANGE

50551	E **50551**	OM2 pigtail [50/125 µm], ST/UPC, LSZH, 1 m	1
5159/2	E **5159/2**	OM2 pigtail [50/125 µm], SC/UPC, LSZH, 2 m	1
50550	E **50550**	OM2 pigtail [50/125 µm], LC/UPC, LSZH, 1 m	1

OM3



5166

OM3 MULTIMODE PIGTAILS [50/125 µm] UPC POLISH, LSZH, AQUA

5165	**5165**	OM3 pigtail [50/125 µm], SC/UPC, LSZH, 1.5 m	1
5166	**5166**	OM3 pigtail [50/125 µm], LC/UPC, LSZH, 1.5 m	1

OM4



50575

OM4 MULTIMODE PIGTAILS [50/125 µm] UPC POLISH, LSZH, VIOLET

50578	E **50578**	OM4 pigtail [50/125 µm], SC/UPC, LSZH, 1 m	1
5170	**5170**	OM4 pigtail [50/125 µm], SC/UPC, LSZH, 1.5 m	1
50575	E **50575**	OM4 pigtail [50/125 µm], LC/UPC, LSZH, 1 m	1
5172	**5172**	OM4 pigtail [50/125 µm], LC/UPC, LSZH, 1.5 m	1

OM5



5178

OM5 MULTIMODE PIGTAIL [50/125 µm] UPC POLISH, LSZH, LIME

5173	**5173**	OM5 pigtail [50/125 µm], SC/UPC, LSZH, 1.5 m	1
5178	**5178**	OM5 pigtail [50/125 µm], LC/UPC, LSZH, 1.5 m	1

DIELECTRIC SINGLE-TUBE SM OS2 LSZH FIBRE-OPTIC CABLES, INDOOR/OUTDOOR

SINGLE-MODE OS2 DIELECTRIC FIBRE-OPTIC CABLES [9/125 µm], LSZH Cca, LOOSE-TUBE CONSTRUCTION, BLACK



05173

05170	E 05170	4-fibre OS2 dielectric fibre-optic cable, LSZH Cca s1a, d0, a1, G-652	1
05171	E 05171	6-fibre OS2 dielectric fibre-optic cable, LSZH Cca s1a, d0, a1, G-652	1
05172	E 05172	8-fibre OS2 dielectric fibre-optic cable, LSZH Cca s1a, d0, a1, G-652	1
05173	E 05173	12-fibre OS2 dielectric fibre-optic cable, LSZH Cca s1a, d0, a1, G-652	1

SINGLE-MODE OS2 DIELECTRIC FIBRE-OPTIC CABLES [9/125 µm], LSZH B2ca, LOOSE-TUBE CONSTRUCTION, SLIM TYPE, BLACK



05212

05211	N 05211	4-fibre OS2 dielectric fibre-optic cable, Outer Ø 7 mm, LSZH B2ca, G-652D	1
05212	N 05212	8-fibre OS2 dielectric fibre-optic cable, Outer Ø 7 mm, LSZH B2ca, G-652D	1
05213	N 05213	12-fibre OS2 dielectric fibre-optic cable, Outer Ø 7.5 mm, LSZH B2ca, G-652D	1
05214	N 05214	16-fibre OS2 dielectric fibre-optic cable, Outer Ø 7.5 mm, LSZH B2ca, G-652D	1
05215	N 05215	24-fibre OS2 dielectric fibre-optic cable, Outer Ø 7.5 mm, LSZH B2ca, G-652D	1

SINGLE-MODE OS2 DIELECTRIC FIBRE-OPTIC CABLES [9/125 µm], LSZH Fca, LOOSE-TUBE CONSTRUCTION, SLIM TYPE, BLACK



14957

14956	N 14956	4-fibre OS2 dielectric fibre-optic cable, Fca, G-652	1
14957	N 14957	8-fibre OS2 dielectric fibre-optic cable, Fca, G-652	1
14958	N 14958	12-fibre OS2 dielectric fibre-optic cable, Fca, G-652	1
14959	N 14959	16-fibre OS2 dielectric fibre-optic cable, Fca, G-652	1
14960	N 14960	24-fibre OS2 dielectric fibre-optic cable, Fca, G-652	1

METAL-ARMOURED SINGLE-TUBE SM OS2 FIBRE-OPTIC CABLES, OUTDOOR

METAL-ARMOURED SINGLE-MODE OS2 FIBRE-OPTIC CABLES [9/125 µm], B2ca, LOOSE-TUBE CONSTRUCTION, BLACK



05243

05240	N 05240	4-fibre metal-armoured OS2 fibre-optic cable, B2ca, G-652	1
05242	N 05242	8-fibre metal-armoured OS2 fibre-optic cable, B2ca, G-652	1
05243	N 05243	12-fibre metal-armoured OS2 fibre-optic cable, B2ca, G-652	1
05245	N 05245	24-fibre metal-armoured OS2 fibre-optic cable, B2ca, G-652	1

METAL-ARMOURED SINGLE-MODE OS2 FIBRE-OPTIC CABLES [9/125 µm], Fca, LOOSE-TUBE CONSTRUCTION, BLACK

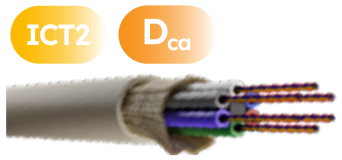


14953

14950	**14950**	4-fibre metal-armoured OS2 fibre-optic cable, Fca, G-652	1
14951	E **14951**	6-fibre metal-armoured OS2 fibre-optic cable, Fca, G-652	1
14952	**14952**	8-fibre metal-armoured OS2 fibre-optic cable, Fca, G-652	1
14953	**14953**	12-fibre metal-armoured OS2 fibre-optic cable, Fca, G-652	1
14955	**14955**	24-fibre metal-armoured OS2 fibre-optic cable, Fca, G-652	1

SINGLE-MODE FIBRE-OPTIC CABLES FOR FTTH

DIELECTRIC MULTI-TUBE D FIBRE-OPTIC CABLESca [9/125 µm]



49820

49820	E **49820**	Multi-tube dielectric fibre-optic cable [9/125 µm] with 24 fibres, Dca, s2, d2, a1, grey jacket, G-657A2	1
49825	**49825**	24-fibre tight-buffered SM dielectric fibre-optic cable, multi-tube (2 fibres × 12 tubes) 900 µm LSZH Dca s2, d2, a2, grey jacket, G-657A2	1
49826	**49826**	48-fibre tight-buffered SM dielectric fibre-optic cable, multi-tube (2 fibres × 24 tubes) 900 µm LSZH Dca s2, d2, a2, yellow jacket, G-657A2	1

DIELECTRIC FIBRE-OPTIC CABLES [9/125 µm] WITH TIGHT-BUFFERED FIBRES



49823

49823	**49823**	Dielectric fibre-optic cable [9/125 µm] with 2 tight-buffered fibres, Dca, s2, d2, a1, yellow jacket, G-657A2 (505 m box)	505 m
49827	**49827**	2-fibre SM dielectric fibre-optic cable, 900 µm, Fca, for outdoor use, black jacket, G-657A2 FR-LSZH-UV (505 m box)	505 m

SINGLE-MODE FIBRE-OPTIC PATCH CORDS

SINGLE-MODE OS2 PATCH CORDS [9/125 µm], Dca, YELLOW



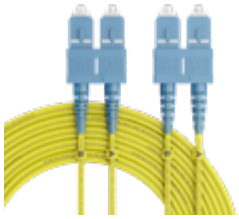
51704

51600	**51600**	OS2 patch cord [9/125 µm], SC/APC, 1.8 mm simplex, Dca, 0.25 m	1
51601	**51601**	OS2 patch cord [9/125 µm], SC/APC, 1.8 mm simplex, Dca, 0.5 m	1
51602	**51602**	OS2 patch cord [9/125 µm], SC/APC, 1.8 mm simplex, Dca, 1 m	1
51703	**51703**	OS2 patch cord [9/125 µm], SC/APC, 3 mm simplex, Dca, 1 m	1
51704	**51704**	OS2 patch cord [9/125 µm], SC/APC, 3 mm simplex, Dca, 2 m	1

SINGLE-MODE OS2 PATCH CORDS [9/125 µm], Dca, YELLOW

5182/10	**5182/10**	OS2 patch cord [9/125 µm], SC/APC, 3 mm simplex, Dca, 10 m	1
5182/15	**5182/15**	OS2 patch cord [9/125 µm], SC/APC, 3 mm simplex, Dca, 15 m	1
5182/20	**5182/20**	OS2 patch cord [9/125 µm], SC/APC, 3 mm simplex, Dca, 20 m	1
5182/25	**5182/25**	OS2 patch cord [9/125 µm], SC/APC, 3 mm simplex, Dca, 25 m	1

OS2

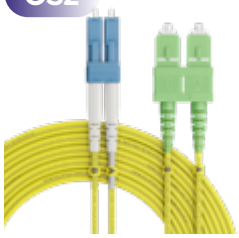


5168

SINGLE-MODE OS2 DUPLEX FIBRE PATCH CORDS [9/125 µm], YELLOW

5168/1	**5168/1**	OS2 duplex fibre patch cord [9/125 µm], SC-PC/SC-PC, 1 m	1
5168	**5168**	OS2 duplex fibre patch cord [9/125 µm], SC-PC/SC-PC, 2 m	1
5168/3	N **5168/3**	OS2 duplex fibre patch cord [9/125 µm], SC-PC/SC-PC, 3 m	1
5168/5	**5168/5**	OS2 duplex fibre patch cord [9/125 µm], SC-PC/SC-PC, 5 m	1
5168/10	**5168/10**	OS2 duplex fibre patch cord [9/125 µm], SC-PC/SC-PC, 10 m	1
5171/1	**5171/1**	OS2 duplex fibre patch cord [9/125 µm], SC-PC/SC-APC, 1 m	1
5171	**5171**	OS2 duplex fibre patch cord [9/125 µm], SC-PC/SC-APC, 2 m	1
5171/5	**5171/5**	OS2 duplex fibre patch cord [9/125 µm], SC-PC/SC-APC, 5 m	1

OS2



5184

5184/1	**5184/1**	OS2 duplex fibre patch cord [9/125 µm], SC-APC/LC-PC, 1 m	1
5184	**5184**	OS2 duplex fibre patch cord [9/125 µm], SC-APC/LC-PC, 2 m	1
5184/3	**5184/3**	OS2 duplex fibre patch cord [9/125 µm], SC-APC/LC-PC, 3 m	1
5184/4	**5184/4**	Duplex OS2 fibre patch cord [9/125 µm], SC-APC/LC-PC, 4 m	1
5184/5	**5184/5**	Duplex OS2 fibre patch cord [9/125 µm] SC-APC/LC-PC, 5 m	1
5184/10	**5184/10**	Duplex OS2 fibre patch cord [9/125 µm], SC-APC/LC-PC, 10 m	1
5184/20	**5184/20**	Duplex OS2 fibre patch cord [9/125 µm], SC-APC/LC-PC, 20 m	1

Special patch cords available to order: please enquire about availability of other types and lengths.

OS2



5065

5065/1	**5065/1**	Duplex OS2 fibre patch cord [9/125 µm], LC-PC/LC-PC, 1 m	1
5065	**5065**	Duplex OS2 fibre patch cord [9/125 µm], LC-PC/LC-PC, 2 m	1
5065/3	**5065/3**	Duplex OS2 fibre patch cord [9/125 µm], LC-PC/LC-PC, 3 m	1
5065/5	**5065/5**	Duplex OS2 fibre patch cord [9/125 µm], LC-PC/LC-PC, 5 m	1
5065/10	**5065/10**	Duplex OS2 fibre patch cord [9/125 µm], LC-PC/LC-PC, 10 m	1
5065/20	**5065/20**	Duplex OS2 fibre patch cord [9/125 µm], LC-PC/LC-PC, 20 m	1

OS2



5186

5186	**5186**	Duplex OS2 fibre patch cord [9/125 µm], FC-PC/SC-APC, 2 m	1
5185/1	N **5185/1**	Duplex OS2 fibre patch cord [9/125 µm] FC-PC/FC-PC, 1 m	1
5185	**5185**	Duplex OS2 fibre patch cord [9/125 µm] FC-PC/FC-PC, 2 m	1
5185/3	**5185/3**	Duplex OS2 fibre patch cord [9/125 µm] FC-PC/FC-PC, 3 m	1
5185/5	N **5185/5**	Duplex OS2 fibre patch cord [9/125 µm] FC-PC/FC-PC, 5 m	1
5149/1	**5149/1**	Duplex OS2 fibre patch cord [9/125 µm], ST-PC/ST-PC, 1 m	1
5149	**5149**	Duplex OS2 fibre patch cord [9/125 µm], ST-PC/ST-PC, 2 m	1
5149/5	**5149/5**	Duplex OS2 fibre patch cord [9/125 µm], ST-PC/ST-PC, 5 m	1
5149/10	**5149/10**	Duplex OS2 fibre patch cord [9/125 µm], ST-PC/ST-PC, 10 m	1



5155

5155/1	**5155/1**	Duplex OS2 fibre patch cord [9/125 µm], SC-PC/LC-PC, 1 m	1
5155	**5155**	Duplex OS2 fibre patch cord [9/125 µm], SC-PC/LC-PC, 2 m	1
5155/3	**5155/3**	Duplex OS2 fibre patch cord [9/125 µm], SC-PC/LC-PC, 3 m	1
5155/5	**5155/5**	Duplex OS2 fibre patch cord [9/125 µm], SC-PC/LC-PC, 5 m	1
5155/10	**5155/10**	Duplex OS2 fibre patch cord [9/125 µm], SC-PC/LC-PC, 10 m	1
5155/14	**5155/14**	Duplex OS2 fibre patch cord [9/125 µm], SC-PC/LC-PC, 14 m	1



5161

5161/1	**5161/1**	Duplex OS2 fibre patch cord [9/125 µm], SC-APC/SC-APC, 1 m	1
5161	**5161**	Duplex OS2 fibre patch cord [9/125 µm], SC-APC/SC-APC, 2 m	1
5161/3	**5161/3**	Duplex OS2 fibre patch cord [9/125 µm], SC-APC/SC-APC, 3 m	1
5161/5	**5161/5**	Duplex OS2 fibre patch cord [9/125 µm], SC-APC/SC-APC, 5 m	1
5161/8	**5161/8**	Duplex OS2 fibre patch cord [9/125 µm], SC-APC/SC-APC, 8 m	1
5161/10	**5161/10**	Duplex OS2 fibre patch cord [9/125 µm], SC-APC/SC-APC, 10 m	1
5161/90	E **5161/90**	Duplex OS2 fibre patch cord [9/125 µm], SC-APC/SC-APC, 90 m	1



5169

5169/1	N **5169/1**	Duplex OS2 fibre patch cord [9/125 µm], ST-PC/LC-PC, 1 m	1
5169	E **5169**	Duplex OS2 fibre patch cord [9/125 µm], ST-PC/LC-PC, 2 m	1
5169/10	E **5169/10**	Duplex OS2 fibre patch cord [9/125 µm], ST-PC/LC-PC, 10 m	1

PRE-POLISHED "FAST" CONNECTORS FOR SINGLE-MODE OPTICAL FIBRE

FAST CONNECTORS FOR OS2 SINGLE-MODE OPTICAL FIBRE



51032

51031	**51031**	FAST OS2 connector [9/125 µm], SC/APC, 3 mm	1
51030	**51030**	FAST OS2 connector [9/125 µm], SC/APC, 0.9 mm	1
51032	**51032**	FAST OS2 connector [9/125 µm], LC/SPC, 0.9 mm	1

METAL ATTENUATORS



51040

51036	**51036**	Metal SC/APC attenuator, 3 dB	1
51037	**51037**	Metal SC/APC attenuator, 6 dB	1
51038	**51038**	Metal SC/APC attenuator, 12 dB	1
51039	**51039**	Metal SC/APC attenuator, 18 dB	1
51040	**51040**	Metal SC/UPC attenuator, 3 dB	1
51041	**51041**	Metal SC/UPC attenuator, 6 dB	1
51042	**51042**	Metal SC/UPC attenuator, 12 dB	1
51043	**51043**	Metal SC/UPC attenuator, 18 dB	1



51048



51046

PLASTIC ATTENUATORS

51044	**51044**	LC/APC attenuator, 3 dB	1
51045	**51045**	LC/APC attenuator, 6 dB	1
51046	**51046**	LC/APC attenuator, 12 dB	1
51047	**51047**	LC/APC attenuator, 18 dB	1
51048	**51048**	LC/UPC attenuator, 3 dB	1
51049	**51049**	LC/UPC attenuator, 6 dB	1
51050	**51050**	LC/UPC attenuator, 12 dB	1
51051	**51051**	LC/UPC attenuator, 18 dB	1

BULKHEAD ADAPTERS FOR SINGLE-MODE OPTICAL FIBRE

SINGLE-MODE OS2 BULKHEAD ADAPTERS



50506



5082

50500	**50500**	OS2 ST/ST simplex bulkhead adapter	1
50502	**50502**	OS2 SC/SC simplex bulkhead adapter	1
50505	**50505**	OS2 FC/FC simplex bulkhead adapter	1
50506	**50506**	OS2 SC/SC simplex bulkhead adapter with APC polish and mounting flanges	1
50517	**50517**	OS2 SC/SC simplex bulkhead adapter with APC polish, without mounting flanges	1
50513	**50513**	OS2 SC/SC simplex bulkhead adapter with APC polish, mounting flanges and dust cap	1
5086	**5086**	OS2 LC/LC duplex bulkhead adapter	1
5082	**5082**	OS2 LC/LC duplex bulkhead adapter without mounting flanges	1
50501	**50501**	OS2 ST/ST duplex bulkhead adapter	1
50503	**50503**	OS2 SC/SC duplex bulkhead adapter	1
50507	**50507**	OS2 SC/SC duplex bulkhead adapter with APC polish	1
50504	**50504**	OS2 SC/ST duplex bulkhead adapter	1

SINGLE-MODE FIBRE-OPTIC PIGTAILS

SINGLE-MODE OS2 PIGTAILS [9/125 µm], G-657A2 Ø 0.9 MM WITH PC AND APC POLISH

OS2



50584

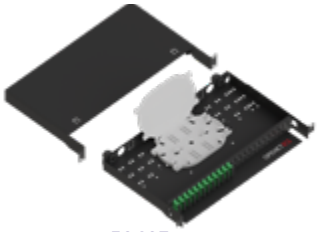
OS2



50567

5164	**5164**	OS2 pigtail [9/125 µm], ST, 2 m	1
50584	**50584**	OS2 pigtail [9/125 µm], FC, 2 m	1
50566	**50566**	OS2 pigtail [9/125 µm], SC, 1 m	1
50567	**50567**	OS2 pigtail [9/125 µm], LC, 1 m	1
50568	**50568**	OS2 pigtail [9/125 µm], SC/APC, 1 m	1
50568/1.5	**50568/1.5**	OS2 pigtail [9/125 µm], SC/APC, 1.5 m	1

19-INCH DISTRIBUTION BOXES AND SLIDING PANELS



50407

SLIDING FIBRE DISTRIBUTION TRAYS*

50402	**50402**	19-inch 1 U sliding fibre distribution tray 24 SC simplex / LC duplex	1
50407	**50407**	19-inch 1 U sliding fibre distribution tray 24 SC duplex	1
50413	**50413**	19-inch 2 U sliding fibre distribution tray 48 SC/LC duplex (96 fibres, 2 panels)	1

*Bulkhead adapters not included

TERMINATION BOXES



50461

FIBRE-OPTIC TERMINATION BOXES

5057	E **5057**	4-fibre termination box for ST bulkhead adapters (40 × 170 × 130)	1
50451	E **50451**	4-fibre termination box for SC/LCD bulkhead adapters (40 × 170 × 130)	1
50461	E **50461**	8-fibre termination box for SC/LCD bulkhead adapters (40 × 180 × 178)	1

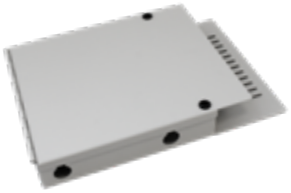
*Bulkhead adapters not included



361104

FIBRE TERMINATION OUTLET

361104	EK **RT 2 A PT**	Fibre termination outlet with two dust-protected SC/APC adapters and 2 spliceable pigtails	1/80



361041

INSPECTION BOXES

361032	**RS 8-12**	Plastic secondary distribution enclosure for 8 connectorised SC or LC fibres / 12 spliced fibres. *SC/LC adapters not included	1
361041	**RS 24-12**	Secondary distribution enclosure for up to 12 connectorised fibres or 24 spliced fibres. Easy Click system. *Front panel not included.	1
361200	**361200**	Front panel for 12 SC or duplex LC adapters. Easy Click system. *Adapters not included	1
361201	**361201**	Front panel for 6 duplex SC or LC QX (Quad) adapters. Easy Click system. *Adapters not included	1
361042	**ARS 12**	12 Front panel with 12 SC adapters. Easy Click system	1
361210	**361210**	Front panel with 6 duplex LC adapters. Easy Click system	1
361211	**361211**	Front panel with 12 duplex LC adapters. Easy Click system	1



361042

DIN-RAIL MODULAR PRODUCTS

DIN-RAIL FIBRE-OPTIC MODULES. EASY CLICK SYSTEM



50061EC

50061EC	**50061EC**	DIN-rail fibre-optic bulkhead adapter module, capacity for up to 12 splices, can be used as a fibre distribution box, supports cable pass- through. Easy Click system. *Front panel not included.	1
361203	**361203**	Front panel for 8 SC or duplex LC adapters. Easy Click system. *Adapters not included	1
361204	**361204**	Front panel for duplex SC or LC QX (Quad) adapters. Easy Click system. Adapters not included	1
361212	**361212**	Front panel with 8 SC/APC adapters. Easy Click system	1
361213	**361213**	Front panel with 8 duplex LC adapters. Easy Click system	1

FIBRE-OPTIC DISTRIBUTION ENCLOSURES AND WALL-MOUNT BOXES



396012

FIBRE-OPTIC DISTRIBUTION ENCLOSURES AND WALL-MOUNT BOXES

396012	**RP FO**	Fibre-optic cabinet with two zones for up to 48 simplex SC/APC adapters, includes 2 trays for up to 48 splices, Easy Click system	1
396016	**ARP**	Easy Click plate with 16 SC/APC adapters for fibre termination outlet	1
396026	**ARPL**	Easy Click plate with 16 duplex LC adapters for fibre termination outlet	1

ACCESSORIES FOR FIBRE-OPTIC BOXES



5096

5096	**5096**	ST blanking plug	1
5085	**5085**	SC/LCD blanking plug	1
5097	**5097**	SCD blanking plug	1



5097

5114	**5114**	40 mm heat-shrink splice protector (pack of 100)	1
5115	**5115**	45 mm heat-shrink splice protector (pack of 100)	1
5116	**5116**	60 mm heat-shrink splice protector (pack of 100)	1

FIBRE-OPTIC MEDIA CONVERTERS (MEDIA CONVERTERS)

CONVERTERS



21410



21450

21410	**21410**	Fast Ethernet media converter [10/100BTX-100BFX] [multimode duplex SC]	1
21413	**21413**	Fast Ethernet media converter [10/100BTX-100BFX] [single-mode duplex SC]	1
21430	**21430**	Gigabit Ethernet media converter [10/100/1000 Base-TX to 1000 Base-SX] [multimode duplex SC]	1
21433	**21433**	Gigabit Ethernet media converter [10/100/1000 Base-TX to 1000 Base-SX] [single-mode duplex SC]	1
21450	**21450**	19-inch 2 U 14-slot chassis for media converter (*)	1

(*) Includes redundant power supply and fan system.

MPO FIBRE-OPTIC TRUNK CABLES (MULTIFIBER PUSH ON)

MPO MM OM3 FIBRE-OPTIC TRUNK CABLES, AQUA



50808/1

50808/1	**50808/1**	MPO/MPO (female-female) OM3 fibre trunk cable, 12 fibres, 1 m. Polarity B	1
50808/3	**50808/3**	MPO/MPO (female-female) OM3 fibre trunk cable, 12 fibres, 3 m. Polarity B	1
50808/5	**50808/5**	MPO/MPO (female-female) OM3 fibre trunk cable, 12 fibres, 5 m. Polarity B	1
50808/10	**50808/10**	MPO/MPO (female-female) OM3 fibre trunk cable, 12 fibres, 10 m. Polarity B	1
50808/50	**50808/50**	MPO/MPO (female-female) OM3 fibre trunk cable, 12 fibres, 50 m. Polarity B	1

MPO MM OM4 FIBRE-OPTIC TRUNK CABLES, VIOLET

MPO OM4



50809/1

50809/1	**50809/1**	MPO/MPO (female-female) OM4 fibre trunk cable, 12 fibres, 1 m. Polarity B	1
50809/3	**50809/3**	MPO/MPO (female-female) OM4 fibre trunk cable, 12 fibres, 3 m. Polarity B	1
50809/5	**50809/5**	MPO/MPO (female-female) OM4 fibre trunk cable, 12 fibres, 5 m. Polarity B	1
50809/10	**50809/10**	MPO/MPO (female-female) OM4 fibre trunk cable, 12 fibres, 10 m. Polarity B	1
50809/50	**50809/50**	MPO/MPO (female-female) OM4 fibre trunk cable, 12 fibres, 50 m. Polarity B	1

MPO MM OM5 FIBRE-OPTIC TRUNK CABLES, LIME GREEN

MPO OM5



50816/1

50816/1	**50816/1**	MPO/MPO (female-female) OM5 fibre trunk cable, 12 fibres, 1 m. Polarity B	1
50816/3	**50816/3**	MPO/MPO (female-female) OM5 fibre trunk cable, 12 fibres, 3 m. Polarity B	1
50816/5	**50816/5**	MPO/MPO (female-female) OM5 fibre trunk cable, 12 fibres, 5 m. Polarity B	1
50816/10	**50816/10**	MPO/MPO (female-female) OM5 fibre trunk cable, 12 fibres, 10 m. Polarity B	1
50816/50	**50816/50**	MPO/MPO (female-female) OM5 fibre trunk cable, 12 fibres, 50 m. Polarity B	1

MPO SM OS2 FIBRE-OPTIC TRUNK CABLES, YELLOW

MPO OS2



50810/1

50810/1	**50810/1**	MPO/MPO (female-female) OS2 fibre trunk cable, 12 fibres, 1 m. Polarity B	1
50810/3	**50810/3**	MPO/MPO (female-female) OS2 fibre trunk cable, 12 fibres, 3 m. Polarity B	1
50810/5	**50810/5**	MPO/MPO (female-female) OS2 fibre trunk cable, 12 fibres, 5 m. Polarity B	1
50810/10	**50810/10**	MPO/MPO (female-female) OS2 fibre trunk cable, 12 fibres, 10 m. Polarity B	1
50810/50	**50810/50**	MPO/MPO (female-female) OS2 fibre trunk cable, 12 fibres, 50 m. Polarity B	1

· Other sizes available to order.
· 24-fibre MPO available to order.
· Male MPO connectors available to order.
· Fan-out available to order.

MPO PATCH PANELS AND CASSETTES

MPO CASSETTES (MM / SM)



50801

50801	**50801**	MPO OM3 cassette (male), LC, 12 fibres	1
50802	**50802**	MPO OM4 cassette (male), LC, 12 fibres	1
50811	**50811**	MPO OM5 cassette (male), LC, 12 fibres	1
50803	**50803**	MPO OS2 cassette (male), LC, 12 fibres	1

SLIDING MPO PATCH PANELS



50805

50804	**50804**	Sliding MPO fibre patch panel for 4 cassettes, 1 U	1
50805	**50805**	Sliding MPO fibre patch panel for 8 cassettes, 2 U	1
50806	**50806**	Sliding MPO fibre patch panel for 12 cassettes, 3 U	1

19

OPENETICS / ADALTRA

TEST EQUIPMENT AND FIBRE-OPTIC INSTRUMENTATION

MULTIMODE & SINGLE-MODE OTDRS AND LAUNCH REELS

OPTICAL REFLECTOMETERS (OTDR)



New Design

17093

17084	**17084**	OTDR SM 1310/1490/1550 nm 32/30/28 dB	1
17093	**17093**	OTDR MM/SM 850/1310/1550 nm 21/19/30 dB	1
17096	**17096**	OTDR SM 1310/1550/1625 nm 32/30/28 dB	1
17097	**17097**	Multifunction mini OTDR 1310/1550 nm 26/24 dB	1

MULTIMODE LAUNCH REELS



New Design

17097

17040	**17040**	Multimode OTDR launch reel, 50/125 µm, 500 m. SC/PC-SC/PC	1
17041	**17041**	Multimode OTDR launch reel, 62.5/125 µm, 500 m. SC/PC-SC/PC	1

SINGLE-MODE LAUNCH REELS



17040

17044	**17044**	Single-mode OTDR launch reel, 9/125 µm, 1,000 m SC/APC-SC/APC	1
17045	**17045**	Single-mode OTDR launch reel, 9/125 µm, 1,000 m SC/UPC-SC/UPC	1
17046	**17046**	Single-mode OTDR launch reel, 9/125 µm, 1,000 m SC/UPC-LC/UPC	1

FIBRE-OPTIC METERS

FTTX DUAL-PORT GPON TESTER KITS

51291	**51291**	FTTX dual-port GPON tester kit	1

The OPENETICS FTTX measurement kit includes:
- Triple laser source for FTTH (Ref. 51268)
- GPON optical power meter (Ref. 51280)

OPTICAL POWER METERS



51271

51271	**51271**	Optical power meter	1

FIBRE-OPTIC FUSION SPLICERS

FUSION SPLICERS



14093

14093	**14093**	6-motor fibre-optic fusion splicer, model KF-3000	1

The fusion splicer kits from OPENETICS include:
- Fusion splicer
- Removable battery
- Spare electrodes
- Cooling tray
- Instruction manual CD
- Heavy-duty lockable protective case
- Precision cleaver
- Stripper
- AC adapter and power cable



FIBRE-OPTIC TERMINATION AND INSTALLATION TOOLS



14012

CLEAVERS

14012	**14012**	Precision fibre-optic cleaver, model FC-300	1

VLF LASERS

14011	**14011**	Visual fibre locator laser	1

TOOL KITS FOR FAST CONNECTORS



14010

14010	**14010**	Tool kit for pre-polished fibre-optic connectors, FAST model	1

The tool kit contains:
- · Precision cleaver
- · Fibre-optic stripper
- · Special Kevlar cutting scissors
- · Set of 50 alcohol cleaning wipes
- · Marker pen
- · FAST connector container
- · Safety glasses
- · LED head torch
- · Plastic carrying case

FIBRE-OPTIC CONSUMABLES



17070

50940	**50940**	Isopropyl alcohol (1,000 cc bottle)	1
5092	**5092**	Box of wipes for cleaning fibre-optic connectors (pack of 280)	1
17069	**17069**	Cleaner for 2.5 mm fibre-optic connectors. (for FC, SC and ST)	1
17070	**17070**	Cleaner for 1.25 mm fibre-optic connectors. (for LC, MU)	1
17072	**17072**	Fibre-optic connector cleaning cassette	1

FIBRE-OPTIC INSTALLATION TOOLS



14006

14006	**14006**	Special Kevlar cutting scissors for fibre optics	1
14005	**14005**	125/250/900 µm fibre-optic stripper	1
17013	**17013**	Miller coating stripper for fibre optics	1

- · Capacitive multi-touch screen.
- · High-isolation bilateral filtering technology for optical testing.
- · Accuracy over distances of up to 100 km.
- · Integrated concealed remote sequencing module.
- · Cable length measurement.



Ref. 17097. Multifunction mini OTDR 1310/1550 nm 20/22 dB

GENERAL TERMS AND CONDITIONS OF SALE

Prices

- The prices shown in this price list are recommended retail prices and do not include taxes.
- Invoices will be issued at the price in force on the date of dispatch of the goods, with VAT charged at the rate applicable at that time.
- ADALTRA IBERIA S.L.U. reserves the right to amend this price list, in whole or in part, without prior notice.
- This price list supersedes all previous price lists.

Direct delivery to site or end customer

- As a general rule, deliveries will be made only to the distributor's logistics address. Direct deliveries to sites, installers or end customers will not be made unless expressly authorised on a case-by-case basis by ADALTRA IBERIA S.L.U.
- If direct shipment of palletised goods is agreed, it will be made Ex Works (EXW), with collection from our warehouse (ALGEVASA) in Sabadell. The distributor or authorised customer is responsible for arranging transport through its own carrier and assumes all associated risks and costs.
- The distributor must ensure that the delivery address provided is correct and complete. In the event of an error – closed site, incomplete details, no contact person, etc. – any additional costs arising from redelivery, storage or a second delivery attempt will be payable in full by the distributor.
- ADALTRA IBERIA S.L.U. accepts no liability for issues, delays, loss or damage arising from direct deliveries to a site or end customer, even when transport is arranged by ADALTRA IBERIA S.L.U. Any claim must be submitted directly to the appointed carrier.

Warranties and repairs

ADALTRA IBERIA S.L.U. products carry a three-year warranty from the date of the purchase invoice. This warranty does not cover faults or damage caused by misuse or incorrect installation, or by accident or force majeure. The warranty is limited to replacement of the defective part with a new one. Faulty equipment may be sent for repair using the form available at the following LINK; the instructions provided in it must be followed:

www.ek.plus / www.openetics.com, under "Documentation > General terms and conditions of sale"

Claims and returns

- The customer must inspect the goods upon delivery and record any issue on the carrier's delivery note.
- Claims for breakage or defects must be reported within 24 hours of receipt and accompanied by photographic evidence. After this period, delivery will be deemed accepted without reservation.
- A claim cannot be processed unless the issue is noted on the carrier's delivery note.
- The customer has 5 working days from the date of receipt of the goods to request a return. After this period, no returns will be accepted.
- The goods must be in their original packaging, unopened and unaltered, in perfect condition and accompanied by the corresponding invoice or delivery note.
- Returns will not be accepted for unsealed, customised or made-to-order products, custom-cut cable or fibre, or discontinued items.
- In addition, returns will not be accepted under any circumstances for clearance or discontinued products, items in poor condition, incomplete items or items without their original packaging, or for special orders, promotions or limited campaigns.
- For returns without valid cause, the credit note will be subject to a 15% restocking deduction if the specified time limits are met. If the return exceeds the specified time limit, the following deductions will apply according to the request date:
    - From day 6 to day 15: 20% restocking deduction.
    - From day 16 to day 30: 25% restocking deduction.
    - After 30 days: 35% restocking deduction.
- These percentages will be applied to the net value of the goods to cover inspection, quality control and administration.
- All returns must be carriage paid, except where the error is attributable to ADALTRA IBERIA S.L.U.
- Every return must be preceded by a formal request using the return form and must have an authorisation number. Returns without this number will be rejected.
- Credit notes will be issued only after the goods have been inspected and accepted at the warehouse.
- The credit note amount will be offset against future invoices and will never be paid by bank transfer.
- The credit note amount will never include any shipping costs charged to the customer.
- In certain cases, in addition to the restocking deductions, a minimum fixed return charge of €30 may be applied for handling, refurbishment and administration.
- ADALTRA IBERIA S.L.U. reserves the right to review or suspend commercial agreements with customers making a high number of unjustified returns.

Payment terms

- Payment terms will be agreed between the parties.
- Failure to meet payment deadlines will automatically result in late-payment interest (Euribor + 3%) without prior demand.
- ADALTRA IBERIA S.L.U. may suspend deliveries if the customer has outstanding unpaid invoices.

Retention of title

ADALTRA IBERIA S.L.U. retains title to and ownership of the goods until the buyer has paid in full. The customer is responsible for any interest and costs arising from failure to pay within the specified periods, without prejudice to any other legal action, including recovery of the goods and compensation for loss and damage.

Limitation of liability

ADALTRA IBERIA S.L.U.'s maximum liability to the buyer is limited to the value of the products supplied. Under no circumstances will ADALTRA IBERIA S.L.U. be liable for production losses, loss of profit or indirect damage.

Jurisdiction

These general terms and conditions of sale are governed by Spanish law. The buyer and seller waive any other jurisdiction to which they may be entitled and submit to the jurisdiction of the Courts of Barcelona.

Information

- Acceptance of the invoice or delivery note constitutes acceptance of all these conditions of sale.
- Delivery times are estimates and delays will not entitle the customer to compensation.
- Unless expressly stated otherwise, ADALTRA IBERIA S.L.U. may make partial deliveries against an order.
- Orders below the minimum value specified in the Orders section will not be accepted.

RMA procedure

- The RMA process optimises turnaround times and the quality of our technical support service. If an ADALTRA IBERIA S.L.U. product develops a fault, the procedure on the following web page must be followed:

www.ek.plus > Documentation > Repairs / RMA

ADALTRA

we make the connection

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