

ADALTRA

— we make the connection —

Catalogue

2026 | September



Ek SELANS
/ 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

Ek SELANS

- | | | | | |
|---|---|--|--|--|
| 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

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EKOAX. Internet over coaxial cable |
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WiFi, switches, 4G routers and LAN cable | 12

HOTSPOT Captive portal and network auditing | 13

Sensors, IoT | 14

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OPENETICS

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Copper structured cabling systems | 16

Rack cabinets 19" | 17

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VERTICAL MARKETS

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|--|--|--|--|---|
| 01

Hotels and campsites | 02

Universities and schools | 03

Government authorities | 04

Data centers | 05

Corporate buildings |
| 06

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CAPTIVE-PORTAL AND
NETWORK-AUDITING
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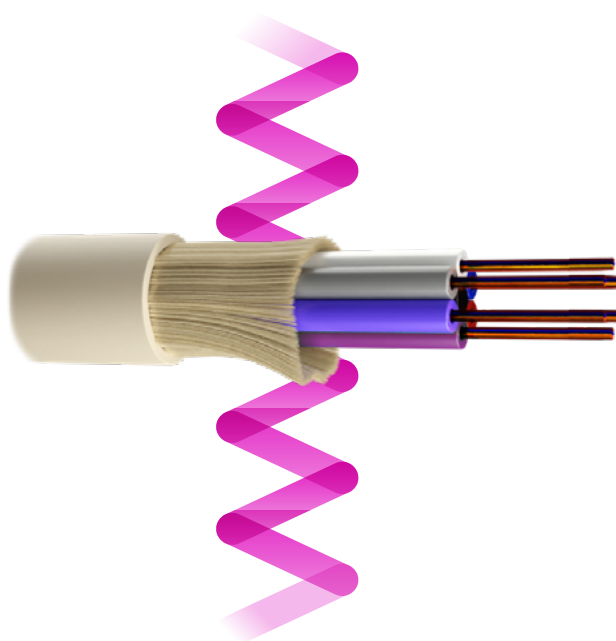
SENSORS, IoT

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**VIDEO DOOR ENTRY AND
ACCESS CONTROL**

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OPENETICS

/ADALTRA

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**STRUCTURED
CABLING
SYSTEMS
FOR COPPER**

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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

 New

 To be discontinued. Available while stocks last

 EK-branded product that will transition to OPENETICS

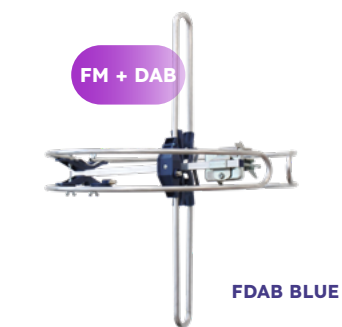
 OPENETICS-branded product that will transition to EK

01

EKSELANS / ADALTRA

SMATV





CODE	REFERENCE	DESCRIPTION	PACK QUANTITY
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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
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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

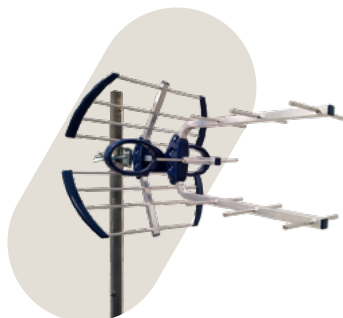
BLUE UHF PRE-FIX + easyU - 5G SERIES

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

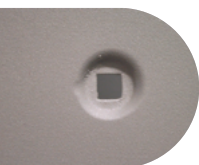


OD60R* / OD 80R / OD 80AL

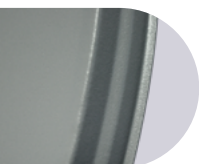
*Single clamp



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
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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



M 250



GT



SP 32 / SP 32G / SP 40F



SP 40



LNB 11P



LNB 21P



LNB 21 MG

MECHANICAL ACCESSORIES

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

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

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

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	E 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'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



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

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	E 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

CLASSA
+10 dB



MQC TS



MQCF TS



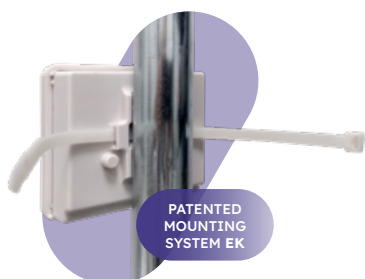
MI 2 TS L2 / RI 2



AM 361 EASY MAGNEK



AM 402 EASY MAGNEK



**PATENTED
MOUNTING
SYSTEM EK**



Magnetic clamp compatible with any
commercially available
mast bracket



Operating-status
LED



Access the video
demonstrating the
AM 361 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



KIT AM 361



AM 312 L2



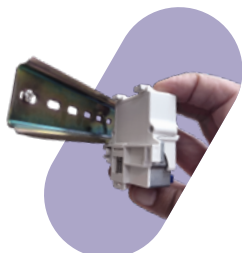
FA 24S



FA QC 24



FA QC 242SC



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
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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



FA QC 12



MCA 402 L2

NEW
COMPACT
FORMAT,
ENHANCED
ELECTRONICS



MCA 353

WITH FILTER
5G



CA 422 L2

N

WITH FILTER
5G



CA 363 L2 SAT

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

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

061008	E 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	N 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	N 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

COMPACT 5G WIDEBAND POWER HEADEND AMPLIFIERS

DTT 5G SERIES

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

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	N 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



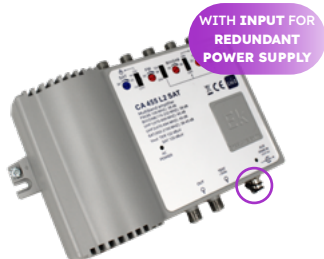
CA 403



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
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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
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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
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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
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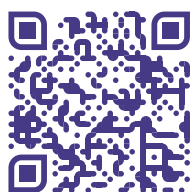
071010	FA 2600P	External power supply for redundancy in CA 482 L2, CA 453 L2 and CA 455 L2 SAT	1/50
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DTT 5G + SAT - UP TO 30 OUTLETS

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
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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
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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
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052007	FA 12S 500	Switched-mode power supply. Output voltage: 12 V DC. Maximum current: 500 mA. 2 outputs with F connector	1/10
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(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
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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 dBμV ⁽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
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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
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071010	FA 2600P	External power supply for redundancy in NOVUS PRO and NOVUS PRO ICT	1/50
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(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



High-quality
OLED display



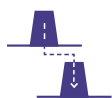
Intuitive configura-
tion using a
multi-directional
joystick



Manual and
automatic
programming



Independent ou-
tput-level configu-
ration for each MUX



Channel con-
version



New hardware
with extremely hi-
gh-quality, reliable
components



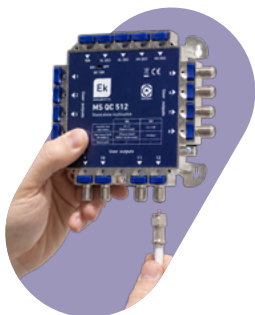
Input for
redundant
power
supply



5-year
extended
warranty



Multiswitch QuiCoax



Conversion to F connector using AQC F adapter



MS QC 512



MS QC 520E



MS QC 585

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

- / 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

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	E 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
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* Power supply not included



dcSS

MS QC 515D

DCSS MULTISWITCH IN CASCADE QuiCoax 4 POLARISATIONS + TER

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
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* Power supply not included

MULTISWITCHES STAR QuiCoax 8 POLARISATIONS + TER

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
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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
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071006	FA 1210	12 V/1,000 mA power supply	1/100
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071010	FA 2600P	12 V/2,600 mA power supply	1/50
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* Power supply not included

MULTISWITCH IN CASCADE QuiCoax 8 POLARISATIONS + TER

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
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* Power supply not included

QuiCoax CASCADE AMPLIFIERS

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
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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
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* Power supply not included

ACCESSORIES FOR QuiCoax MULTISWITCHES

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

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
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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
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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
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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
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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
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* FA 1210 power supply included



2 SATELLITES
+ TERRESTRIAL

MS QC 916



2 SATELLITES
+ TERRESTRIAL

MS QC 989

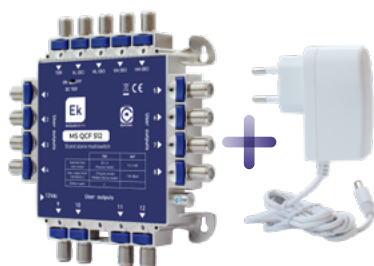


AMP QC 55



CQC 75A

QUICOAXF



MS QCF 512 + FA 1210



MS QCF 585



MS QCF 515D



MS QCF 989



AMP QCF 55



MR525

MULTI
SPLITTER

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
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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

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
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* 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

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

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
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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
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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



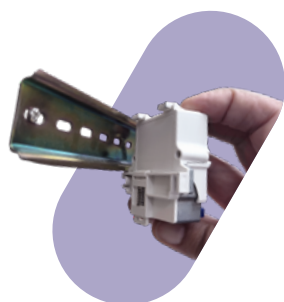
AAS 20



AA QCF 182



AA QCF 182 SC



Example of mounting
on DIN rail

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 dB μ V. 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): 4×100 dB μ V	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 dB μ V. Supports remote power and DC pass for the LNB	10/60
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MICRO APARTMENT AMPLIFIERS

MICRO-AMPLIFIERS FOR APARTMENTS



- / 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)



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 dB μ V	10/60
111017	AA QCF 182	Apartment amplifier, 1 input (47–694 MHz). 2 outputs. G: 18 dB. Output level (DIN 45004B): 2×110 dB μ V	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 dB μ V	10/60



RQC 2M



RQC 3



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



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
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THE FASTEST AND MOST RELIABLE CONNECTION

Press, insert... and you're done



CONNECTOR CFQC



OUTLET MODULES TFQC



Detail of QuiCoax button with inspection window



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
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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



DF 212



DF 412



DF 420



DF 816



PAU 4



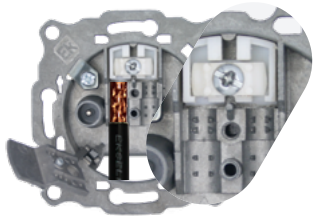
PAU 8

CLASS A TAPS

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
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
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
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

CLASS A PAUs

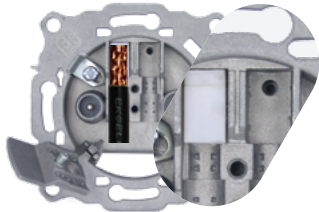
143001	PAU 4	PAU screened 4-output splitter. Passband: 5–2,400 MHz. Through loss: 8.1 dB (862 MHz) / 10 dB (2,400 MHz). With DC pass. Class A	10/120
143003	PAU 6	PAU screened 6-output splitter. Passband: 5–2,400 MHz. Through loss: 10.5 dB (862 MHz) / 14.5 dB (2,400 MHz). With DC pass. Class A	5/60
143002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



TF D



TF DW



TF DI



TF DIW-100



SSB



MTB 3

OUTLET MODULES

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
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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
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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 XL

EK ROLLER XL



Watch the video demonstration of the EK ROLLER XL

EK ROLLER XL



CLASS A

E_{ca}

CCR 596-150

EK ROLLER XL



CLASS A

F_{ca/PE}

CCR 128 N

EK ROLLER XL



CLASS A

F_{ca/PE}

CCR 11T

EK ROLLER XL



CLASS A

D_{ca}

CCR 96D

CCR 96D-250



HANDLE FOR EK ROLLER REELS

EK ROLLER-COMPATIBLE COAXIAL CABLES

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

EK ROLLER XL 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



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
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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
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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 D_{ca} 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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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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
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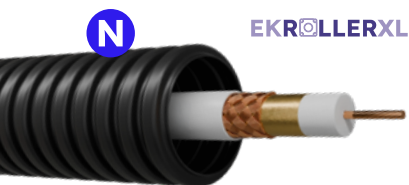
SPECIAL ANNEX II / CPR D_{ca}

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
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PUBLIC-ACCESS PREMISES: CU CONDUCTOR, CU-PE FOIL AND CCA BRAID / CPR C_{ca} 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
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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
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EKR@LLERXL

CLASS A

D_{CA}

CCR 96D TC

CLUR 6CUD TC

CABLES IN CONDUIT

151073

N CCR 96D TC

CCR 96D CPR Dca coaxial cable in corrugated conduit
Ø 20 mm 320 N for ICT

100/
4000

390029

N 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 EKR@LLERXL

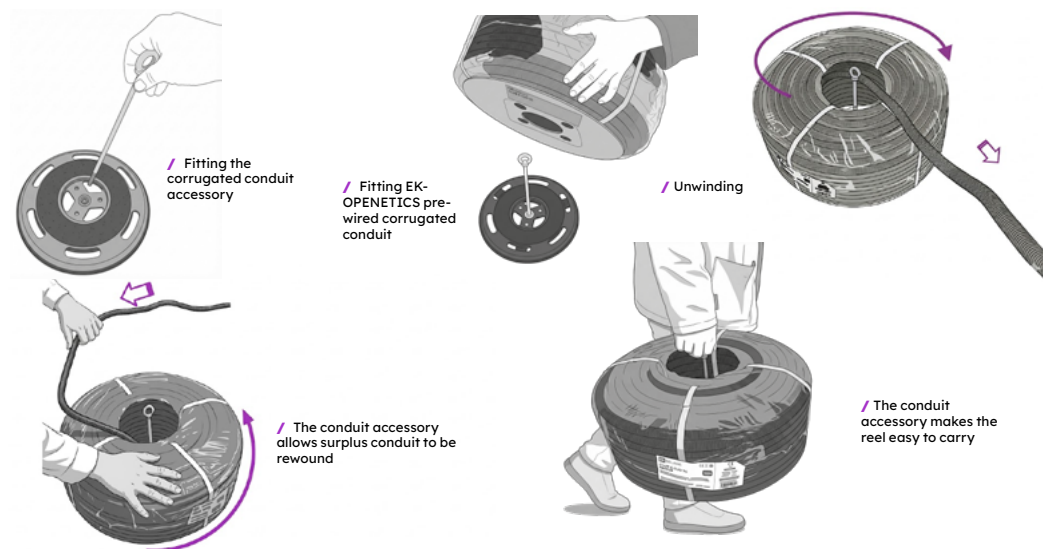
For use with the corrugated-conduit accessory



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



Watch the video
demonstration
of the
EK ROLLER XL



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



CFR 5 EK

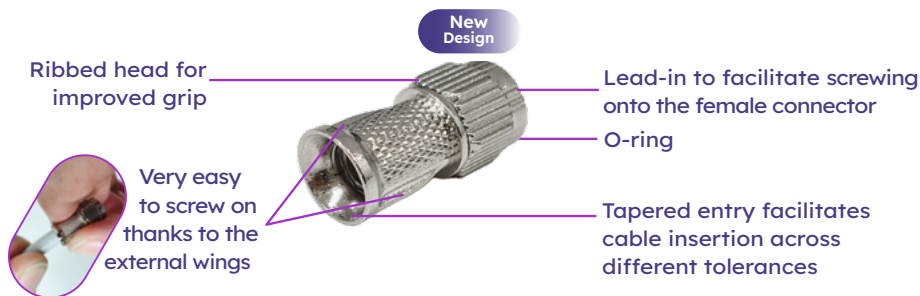
PATENTED
DESIGN



CFR 6 EK

PATENTED
DESIGN

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



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

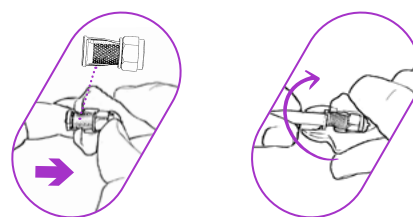
EKey is an exclusive EK tool designed to make it even easier to fit F-type connectors, references CFR6EK and CFR5EK (patented). EKey has two large ergonomically designed wings that fit the installer's hand and make fitting comfortable. EKey's most innovative feature, however, is its compatibility with 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.

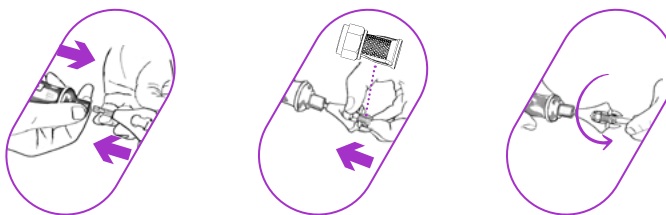
INSTALLING CFR 5 EK / CFR 6 EK CONNECTORS WITH EKEY

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
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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. Compatible with CC 11 cable	50/400

IEC TYPE, CLASS A++ SCREENING

162018	E 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



EKEY



EK DRIVER



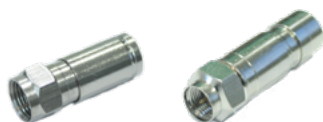
EK DRIVER SLEEVE



Watch the video demonstrating Ekey and Ek DRIVER



CFR 11



CCP 6

CCP 11

CLASSA++



C95M EK



C95H EK

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 installation

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
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IEC PATCH CORDS

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



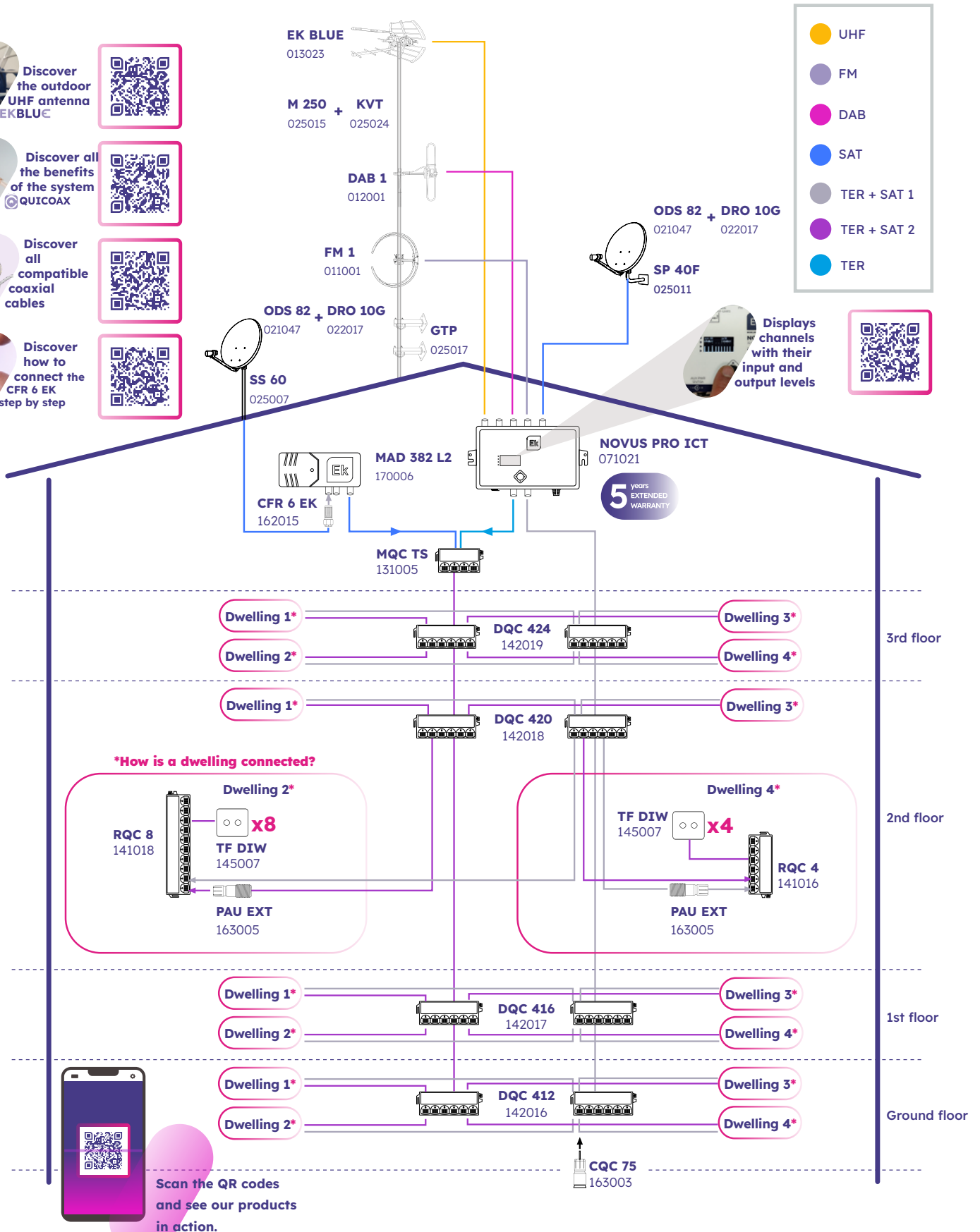
Discover all compatible coaxial cables



Discover how to connect the CFR 6 EK step by step



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



02

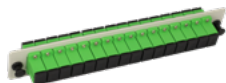
EKSELANS / ADALTRA

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



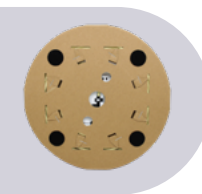
7630



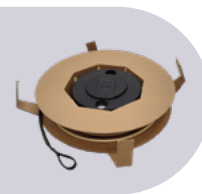
Watch the video demonstration of the Ek ROLLER



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

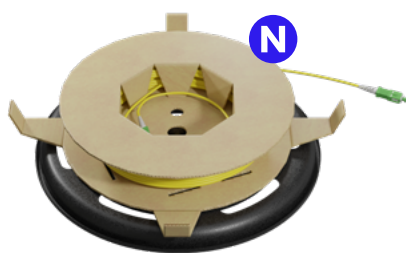
EK ROLLER XL ^N

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.

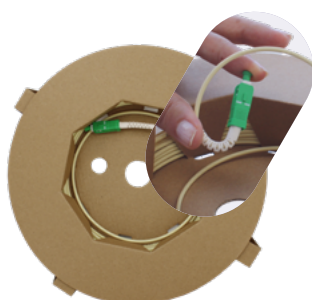
CPR Dca PAUS COMPATIBLE WITH EK ROLLER			
361111	PFR 10DT	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 10 m pigtail with pulling system. CPR Dca	1/16
361112	PFR 15DT	Optical-fibre PAU with 2 SC/APC adapters with dust caps and 2-fibre 15 m pigtail with pulling system. CPR Dca	1/16
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



PCR XX FEK



PC SA P-200



5182/XX



RT 2 A PT

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

361131	N 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	N 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	N 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	N PFR 60 DEK	Optical-fibre PAU with 2 SC/APC adapters with dust caps and connectorised 2-fibre 60 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	N 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

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](#)

3 mm FIBRE PATCH CORDS

362002	E PC SA 25	3 mm SM fibre patch cord with SC/APC connectors. Length 25 cm	1/250
362001	E PC SA 100	3 mm SM fibre patch cord with SC/APC connectors. Length 1 m	1/250
362004	E 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

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
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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
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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
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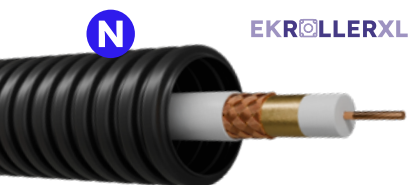
FIBRE CABLES / CPR Dca*

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



N

EKROLLERXL

CLASS A

D_{CA}

CCR 96D TC

CLUR 6CUD TC

CABLES IN CONDUIT

151073

N CCR 96D TC

CCR 96D CPR Dca coaxial cable in corrugated conduit Ø 20 mm 320 N for ICT

100/
4000

390029

N CLUR 6CUD TC

CLUR 6CUD LAN cable in Ø 20 mm 320 N corrugated PVC conduit for ICT

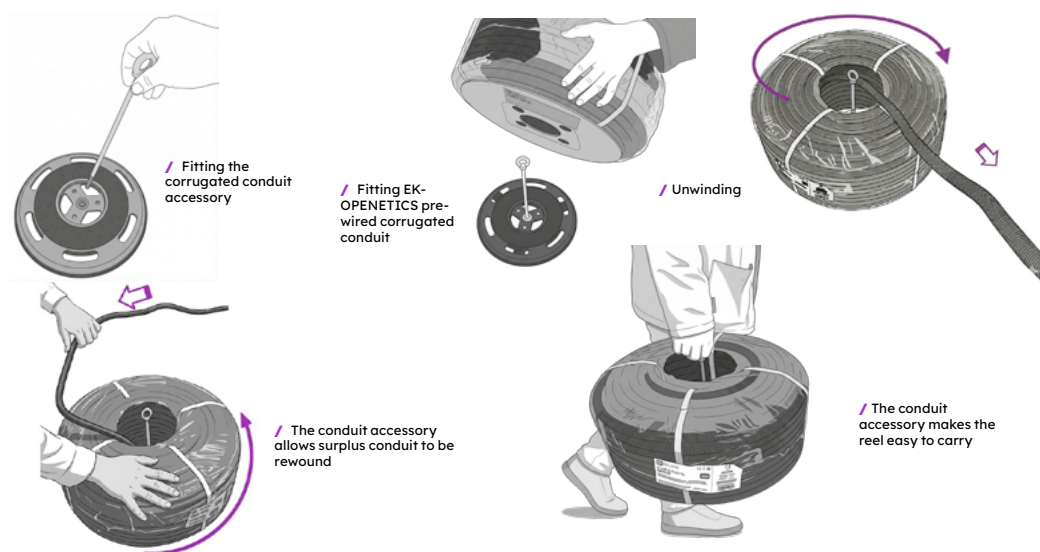
100/
4000

NEW CONDUITS CORRUGATED, SUITABLE FOR EKROLLERXL

For use with the corrugated-conduit accessory



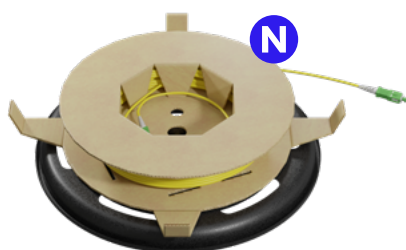
CCR 96D TC · CLUR 6CUD TC
+ EK ROLLER XL



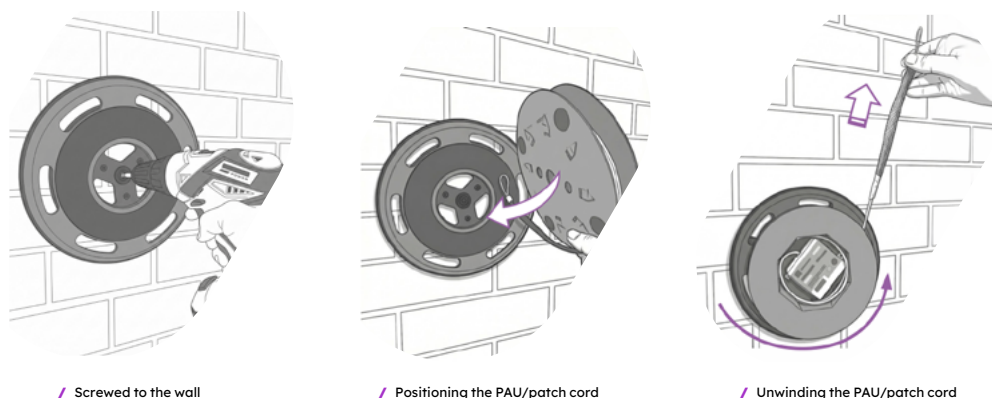
Watch the video demonstration of the Ek ROLLER

POSITIONING THE EKROLLERXL ON THE WALL

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



New PAUs compatible with
EKROLLERXL



03

EKSELANS / ADALTRA

RECEIVERS, MODULATORS & REMOTE-CONTROL REPEATERS





EK DR-2



EK TC DROID



EN 2HD-IP



EK PLAYER



MD HD EASY



MD HD EASY LOOP

ANDROID RECEIVER

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
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DVB-T2 HD AND UHD RECEIVER + ANDROID

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
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ENCODER / STREAMER TWIN

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
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180036	EK PLAYER	Subscriber receiver for EN 2HD IP solution and IP channels on televisions	1
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EN 2 HD - IP + EK PLAYER

Optimised A/V content streaming over public and private networks

- / **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



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
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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
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MD HD EASY RC



MD HD EASY QUAD



MD A



CHD



HDM 90F

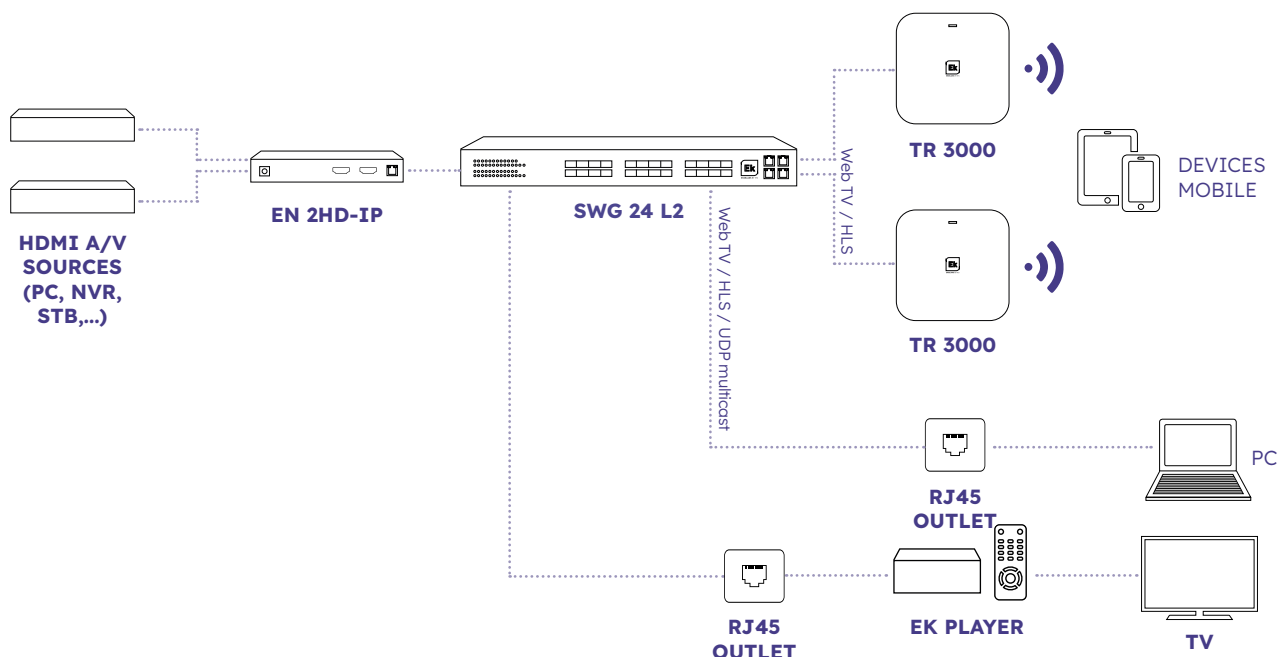


IR W2

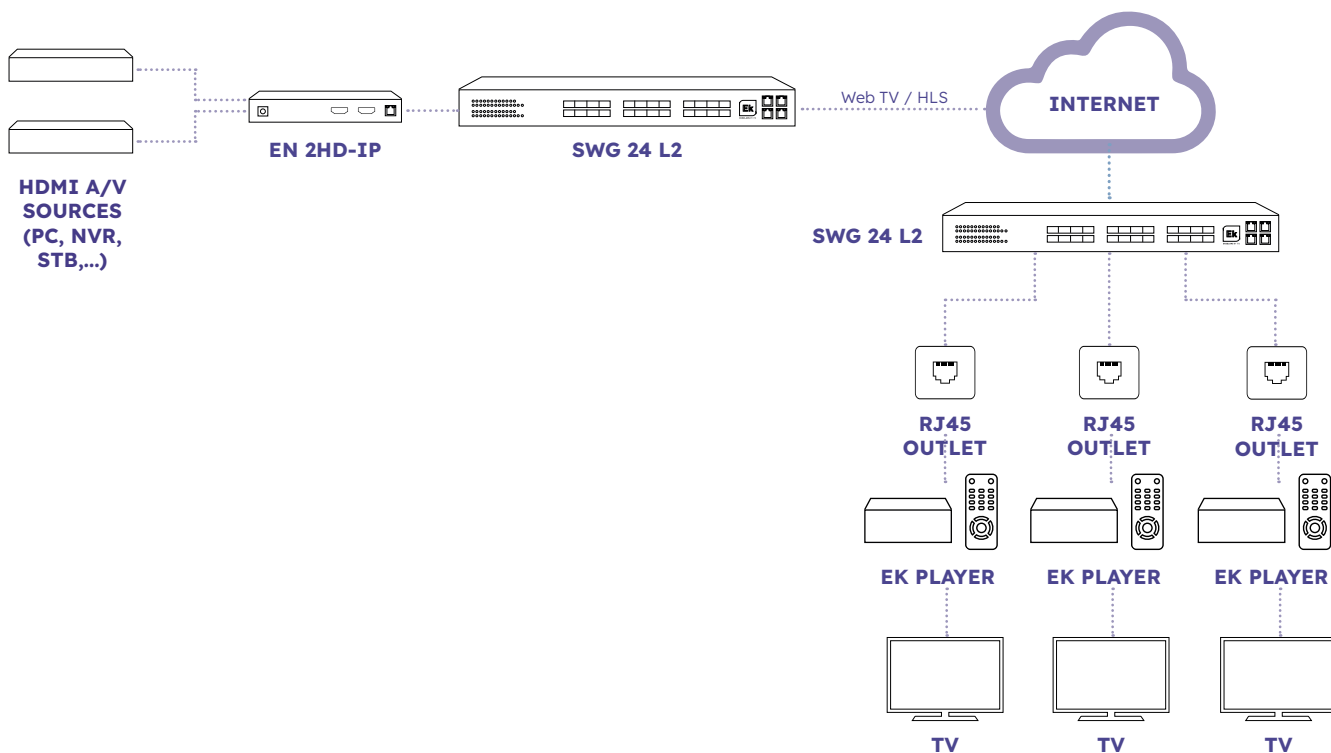
122014	MD HD EASY RC	COFDM/QAM digital modulator. 1 HDMI input + HDMI LOOP up to 1080p. Output frequencies: 170–230 MHz + 470–862 MHz. Output level (DIN 45004B): >80 dBμV. RF combining input (5–862 MHz). USB record/playback. USB for programming professional parameters. 33/56 KHz transmitter. IR included.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

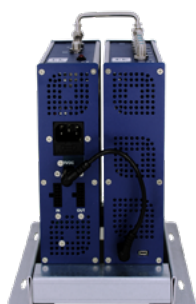




CM COMPACT 8S2



CM COMPACT PLUS 8S2



CM COMPACT PLUS 8S8



CONVERTS 8 HD DTT CHANNELS TO SD



KIT CM COMPACT AV 8



8 TUNERS +
HDMI + USB

CM 8SH-TC

COMPACT HEADENDS

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

085013	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	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

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

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

8 TUNERS IN /
2 CI / 2 RF OUT

N



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	CM 8S 2CI-2TC	Twin transmodulator, 2 inputs - 8 tuners DVB S/S2/S2X, with dual Common Interface reader (2 x 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 x 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 x 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 x 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 x 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 x HDMI inputs/COFDM-QAM output. Output level: 95 dBuV. 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 x HDMI inputs/COFDM output. Output level: 95 dBuV. 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



CM 8S-IP



CM 8S 2CI-IP



CM 8S 4CI-IP



CM 8TC-IP

MULTI-INPUT MODULATORS – FLEXIBLE* DVB-T OUTPUT

082025	CM 2AV-T	Encoder with 2 × AV (CVBS) inputs/COFDM output. Output level 95 dBuV. 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 dBuV. 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

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
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* 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
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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
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EDFA

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

VIDEO ON DEMAND (VoD)

IP STREAMERS

FTTR-GPON

EK HOTEL IPTV SYSTEM

WiFi

**TRANSMISSION SYSTEMS
OVER PUBLIC NETWORKS**

**EKOAX
INTERNET OVER COAXIAL**

DIGITAL SIGNAGE

**ENTERTAINMENT AND
INTERACTIVITY**

CHROMECASTING

Go to the
hospitality section
of our website



05

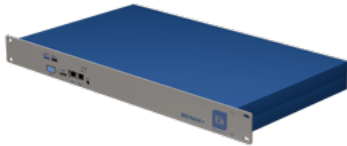
EKSELANS / ADALTRA

**HOSPITALITY /
IPTV SERVERS/
CHROMECASTING/
OTT AND OPERATORS**





EK BRIDGE · EK LINK



EK LINK R



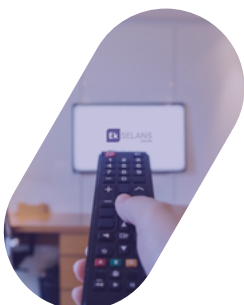
EK STREAM PLUS · OTT BY EK



With 2-channel
payout

**EK HOTEL TV / EK HOTEL TV
PRO**

EKHOTELTV



TRANSCODERS, TRANSRATING, OTT AND IP STREAMING

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/adaptor 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/adaptor 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. Payout 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

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 payout. 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 payout. 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



With VoD and
5-channel
layout

EK HOTEL TV PLUS

EKHEALTH



With 2-channel
layout

EK HEALTH / EK HEALTH PRO

EKCAST



CRP 4K



IR +
Bluetooth

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 layout. 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 layout. 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 layout. 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 layout. 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 x 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

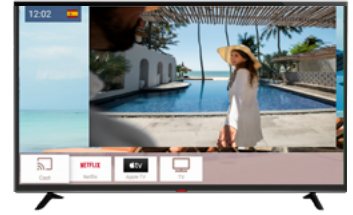
EKHOTELTV + EKCAST INTEGRATED



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

24 PoE ports. Managed L2+ and CloudPro



EN 2HD-IP

2 HDMI > IP / WebTV



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 x Gb Ethernet ports + 4 x 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 dBuV. 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 x Common Interface/COFDM-QAM output. Output level: 95 dBuV. 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 x AV (CVBS) inputs. 1,000 Mbps output streams. RTP/UDP. QoS	1
082008	CM 4HD-IP	IP streamer with 4 x 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**





AC 129 TR



JXP X



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



FA 6AC



MCAL 381 LR



TO 3 1310

LINE/TELEDISTRIBUTION AMPLIFIERS

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
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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

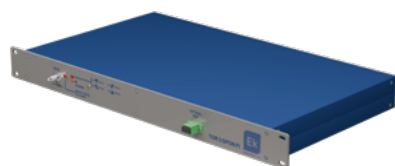
271017	TO 3 1310	Optical transmitter: IN 47–1,000 MHz/OUT 1,310 nm DFB laser. Optical power 3 dBm. SC/APC	1
271001	TO 3 FI	Optical transmitter: IN 30–2,600 MHz/OUT 1,310 nm DFB laser. Optical power 3 dBm. Digital signals. SC/APC	1
271022	TO 10 FI 1550	Optical transmitter: IN 30–2,600 MHz/OUT 1,550 nm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

CM SERIES OPTICAL TRANSMITTERS

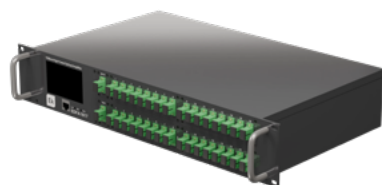
274101	CM TO 3-1310	Optical transmitter: IN 47–1,000 MHz/OUT 1,310 nm DFB laser. Optical power 3 dBm. SC/APC. Self-powered	1
274102	CM TO 10 FI-1550	Optical transmitter: IN 30–2,600 MHz/OUT 1,550 nm DFB laser. Optical power 10 dBm. Digital signals. SC/APC. Self-powered. Compatible with CM headend	1



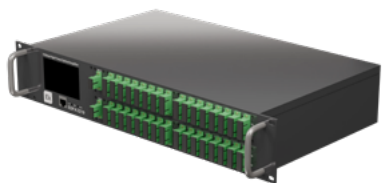
CM EDFA 122



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
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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
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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
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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
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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
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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
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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
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CM SERIES OPTICAL SPLITTERS

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

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

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



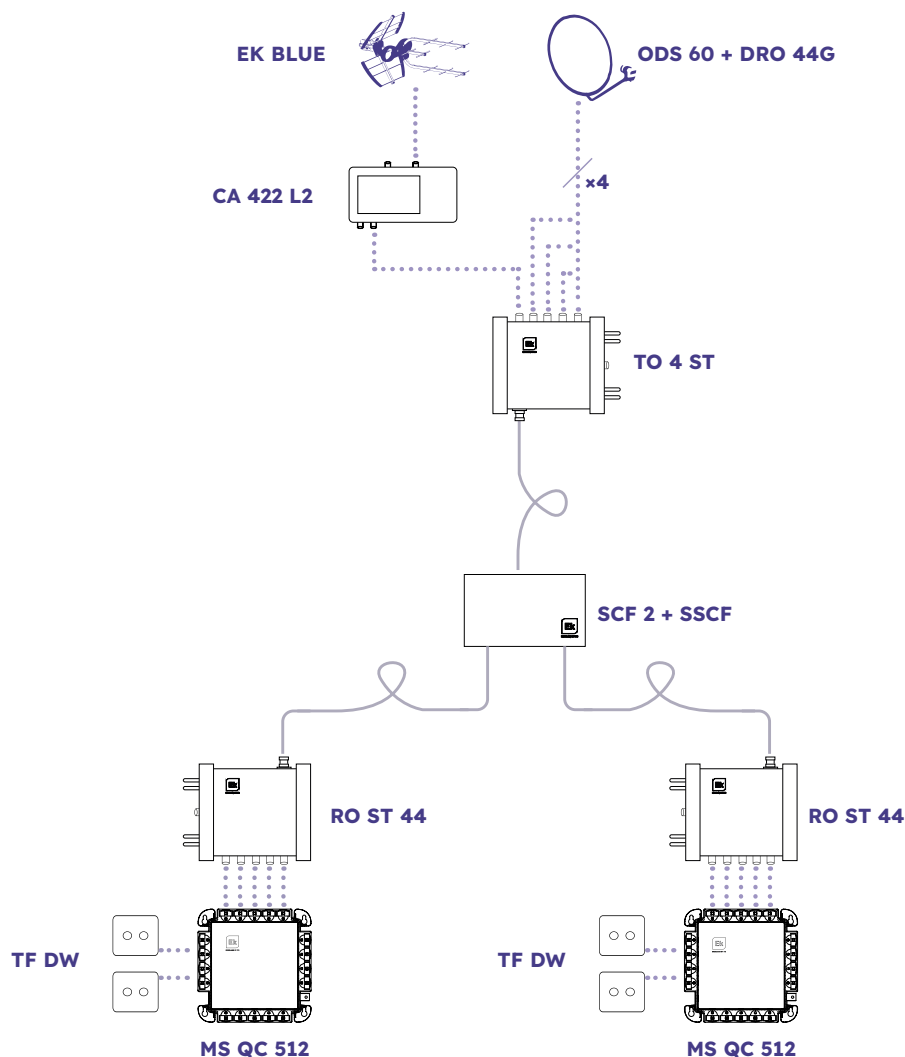


4 SATELLITE POLARITIES + TERRESTRIAL OVER OPTICAL FIBRE

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



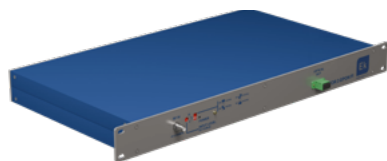
OLT 16E



Server with enhanced functionality



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

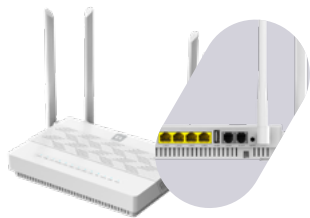
310012	OLT 1	GPON headend with 1 downlink port. 1 × 10GE uplink port + 2 × 1GE uplink ports	1
310013	OLT 2	GPON headend with 2 downlink ports, 1 × 10GE uplink port + 2 × 1GE uplink ports	1
310051	SWH 12	Server for automatic configuration and provisioning for hospitality, compatible with OLT1 and OLT2. 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	N 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	N 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



ONT 4 W6



4 PoE ports
+ 2 POTS

ONT 4 POE CP



ONT 8 POE



ONT 16 POE



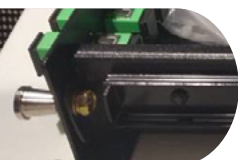
RO 88 CWD



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	E ONT 2W	GPON network terminal. 1 GE + 1 FE + 2 POTS + WiFi b/g/n 2.4 GHz	1
310017	E 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	E 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



RS 24-12



ARS 12



RPG 32



SCF 32



SP FO 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

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

361036	CFD 16	FTTH distribution box, IP65. Compatible with SCF-series splitters. Up to 16 outputs	1
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SPLICE/DISTRIBUTION BOXES

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

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

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

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



CFO 24 ARM



PCR 12 FEK
PCR 18 FEK
PCR 24 FEK



PT 150



PC SA-200F



RT FO



A SCAPC S



A SCAPC AD

FIBRE-OPTIC CABLES

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

Enquire about the full range of **OPENETICS** on [p. 131](#)

PATCH CORDS

362001	OP 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	PC SA-P200	3 mm hybrid patch cord with flexible SC/APC and SC/PC connectors. Length 2 m	1/250

Enquire about the full range of **OPENETICS** on [p. 132](#)

PATCH CORDS WITH FLEXIBLE CONNECTORS / 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	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

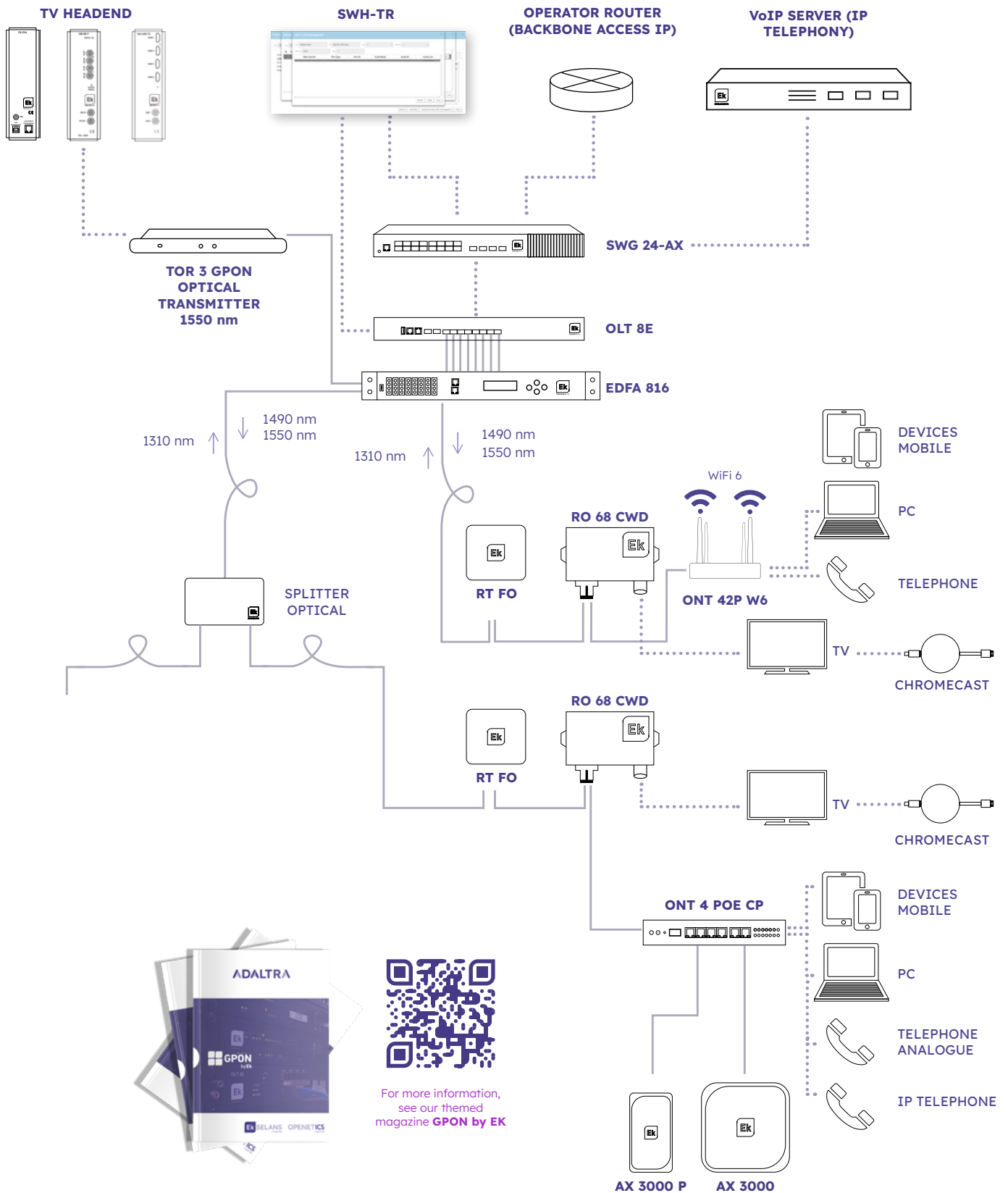
362021	OP PT 150	Fibre pigtail with SC/APC connector, 0.9 mm, 1.5 m	25
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Enquire about the full range of **OPENETICS** on [p. 135](#)

UNLOADED OUTLETS AND FIBRE ADAPTERS

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

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



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	N BLMK	Replacement carry case. Includes a free EK driver	1
241005	CNMK	Replacement strap	1

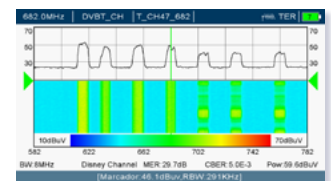


WITH
DATA LOGGER
INCLUDED*

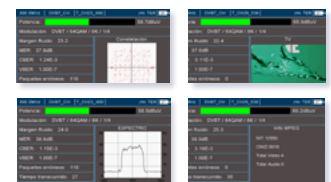
*Free update for EK customers



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





IPC-BMH



IPC M300



IPC-M2



IPC-B MINI



MI RP



KIT IP



KIT IP-W



GIGABOX

 **GIGAekoax**

EKOAX (INTERNET OVER COAXIAL)

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
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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
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132001	MI RP	5–65 MHz / 85–2,150 MHz combiner / splitter	10/100
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SUBSCRIBER UNIT

250013	IPC-B MINI	EKOAX slave module for receiving data over coaxial cable. RF in. 1 LAN port	1/80
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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
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KIT IPTV EXTENDER

250028	KIT GIGABOX	Kit for extending IPTV and internet over coaxial cable, with Gbps capability	1
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250022	KIT IP	Kit for extending IPTV over coaxial cable	1
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250023	KIT IP-W	Kit for extending IPTV and WiFi over coaxial cable	1
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250025	KIT IP AC	Kit for extending IPTV and WiFi AC over coaxial cable	1
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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
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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
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311008	EK SOP	EKOAX / EKOAX PLUS support and commissioning	1
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311009	ADALTRA CARE	Maintenance service	1
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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
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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
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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.

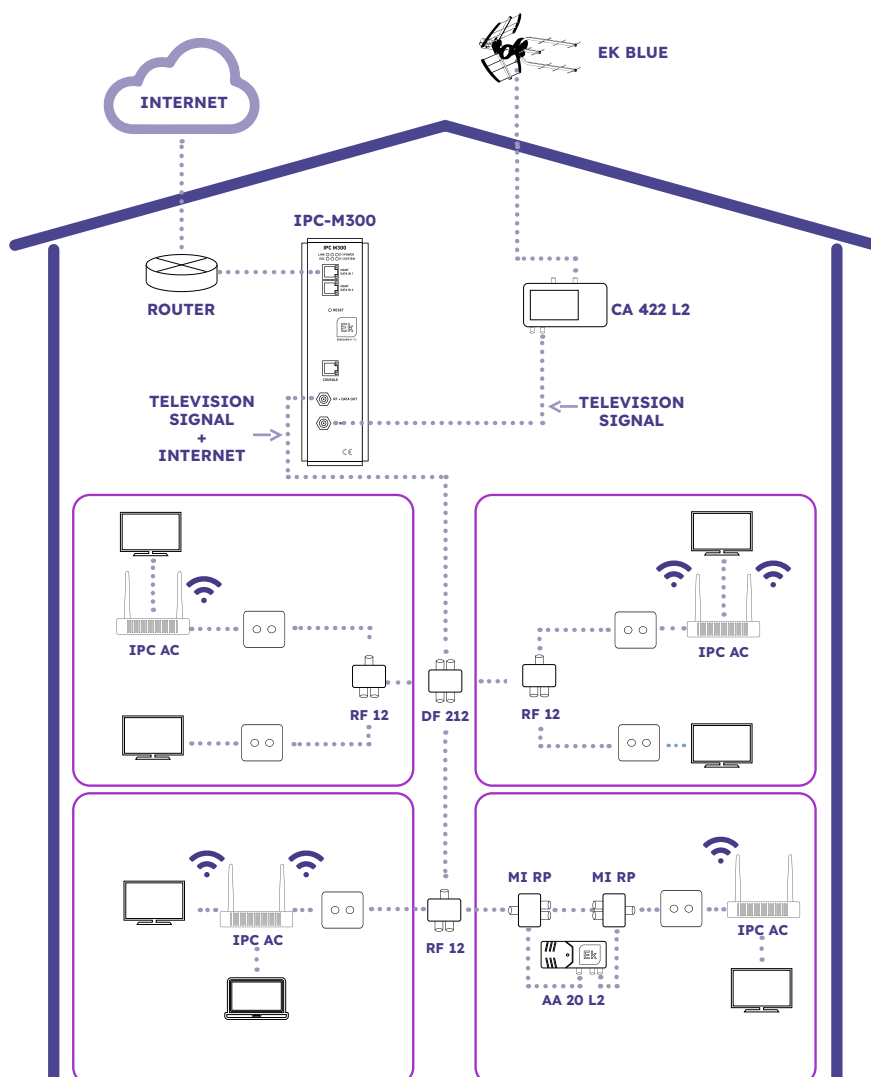
By simply adding a master unit at the headend (IPC-M300) and a subscriber unit (IPC24/IPCAC) at each point where internet access is required, the television installation can be upgraded to transmit IP data at high speed. The subscriber device also acts as a WiFi router, making it easy to create a high-quality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

GIGA EKOAX THE EVOLUTION OF 1 Gbps COMMUNICATION OVER COAXIAL CABLE

GIGA EKOAX 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



WiFi RANGE PRODUCTS



WiFi
ACCESS POINTS



EK CLOUD



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



AX 3000P



AX 3000 OLP



UC-AX

24 PoE ports.
Managed
L3 and CloudPro



SWG 24-AX

24 PoE ports.
Managed
L3 and CloudPro



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 802.11ax) 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 x 1GE PoE input port + 4 x GE ports (1 PoE output). 48 V DC PoE IN / DC-IN.	1
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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
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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

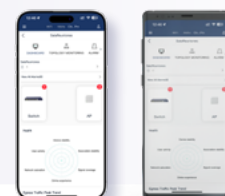
310057	SFP2G5-SM	SFP 2.5G, LC connector, duplex fibre, 1310 nm, up to 20 km over single-mode (SM), 0° to +70°C	1
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AX WIFISERIES



MOBILE APPLICATIONS

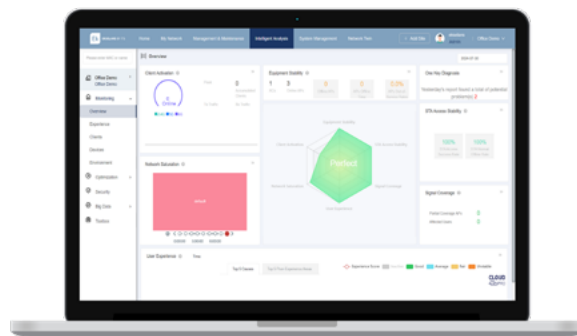
Manage your WiFi network quickly and easily with our iOS and Android apps





UNIFIED W NETWORK MANAGEMENT PLATFORMiFi IN THE CLOUD

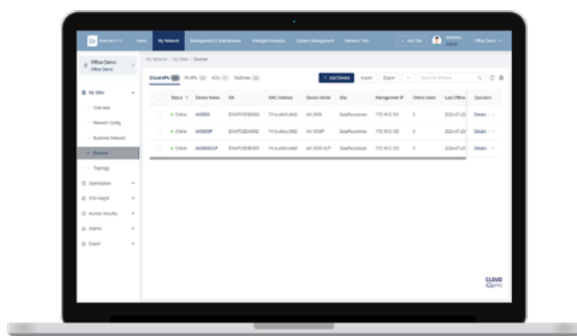
For more information:
www.ek.plus/



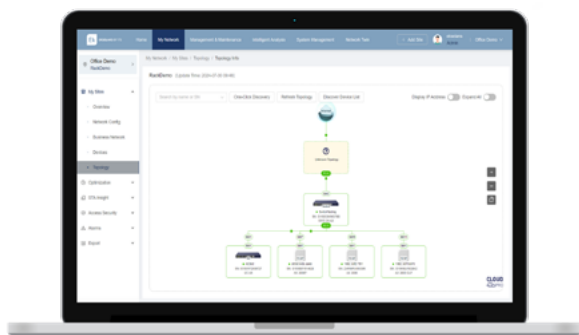
Enables real-time management of
WiFi network design, deployment,
configuration, operation and analysis



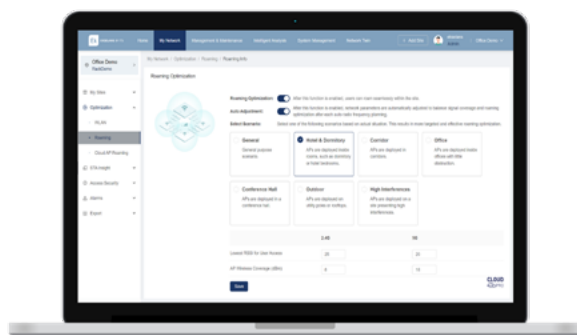
Includes a design and
WiFi network planning tool (site survey
and heat maps)



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



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
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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	E TR 1200 OLP	Omnidirectional outdoor access point. 27 dBm, 2 x 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 x 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

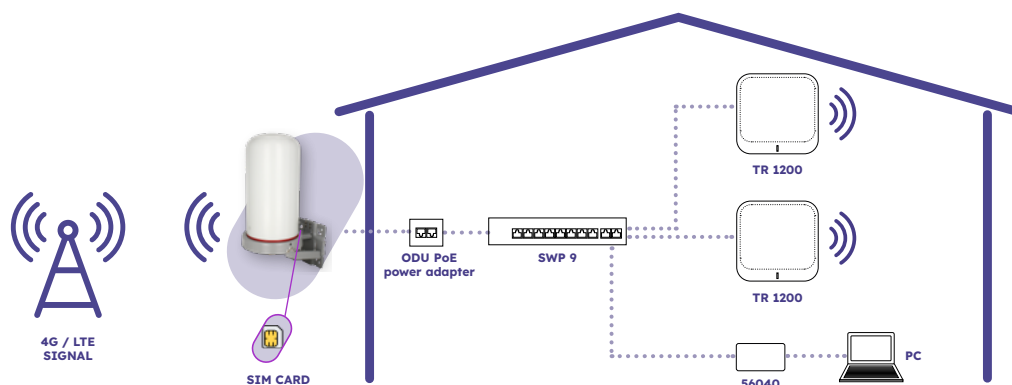
330004	AP 300 LP	2T2R access point, 2.4 GHz. 300 Mbps, 23 dBm, WiFi 802.11 b/g/n, 1 port, 24 V PoE, injector included	1/20
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POE INJECTORS

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

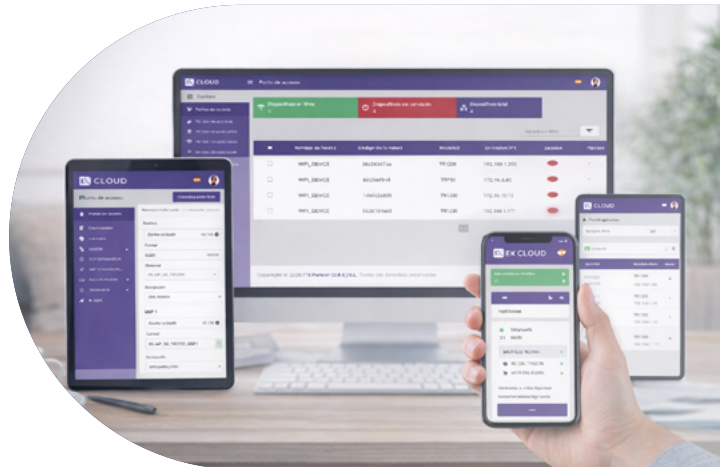
333014	ODU LTE 4G	Omnidirectional outdoor LTE 4G Cat 16 router with bracket included. TDD downlink 700 Mbps, uplink 30 Mbps. FDD downlink 900 Mbps, uplink 150 Mbps. PoE input: 19 V/1.26 A. PoE power supply included	1/48
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TR WIFI SERIES 2026: greater 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.

**EASY CONFIGURATION
FROM
ANYWHERE**



- / 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.**



SWG 24 L2



SWP 5



SWP 26



SW8 P



SW16 M

EKROLLERXL



CLUR 6 CCA



MINIMCD-1GSC20K



INPD-1G60 mounted on a DIN rail

SWITCHES

MANAGED SWITCH

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

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

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

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
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Enquire about the full range of **OPENETICS**

INDUSTRIAL SWITCHES AND MEDIA CONVERTERS

MEDIA CONVERTERS*

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



MINIMC-1GSC20K



MICROMC-1GSC20K



MicroMC-1GSFP



SWD 5P-1G



SWD 4P-20K



SWD 10P-1G



SWD 8P-20K

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*

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*

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

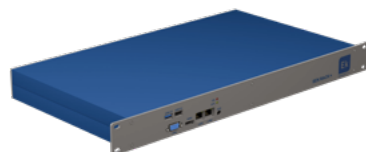




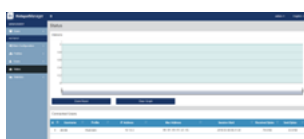
HS BASIC



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	N HS 2.5	Professional HotSpot with captive portal and network auditing solution. 19-inch rack-mount format for 1,000 users	1
390027	N 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

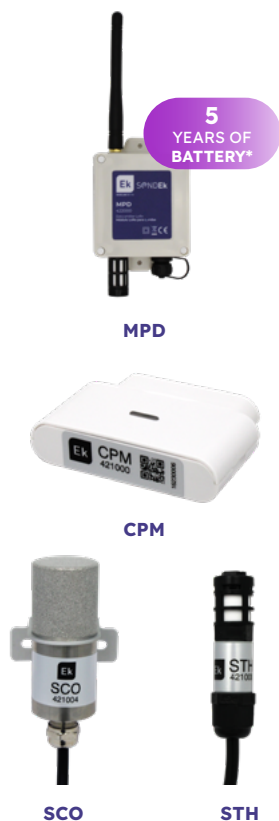
- / Option to integrate the HotSpot with the hotel PMS via the CHAR system

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EKSELANS / ADALTRA

SENSORS, IoT





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 (HDR) 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)



CP 200W

WiFi TEMPERATURE CONTROLLERS SONDEK

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 x 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



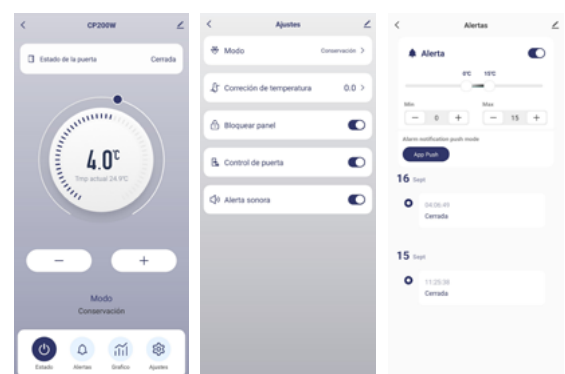
FOOD INDUSTRY



INDUSTRY CHEMICAL



Download





WS CO2 EK



WS H1 EK

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

APPLICATION ENVIRONMENTS



RESIDENTIAL



SUPERMARKETS AND
HYPERMARKETS



HOTELS



RESTAURANTS



HOSPITALS

FEATURES OF SONDEK CO2 AND CO SENSORS

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

SONDEK DETECTORS

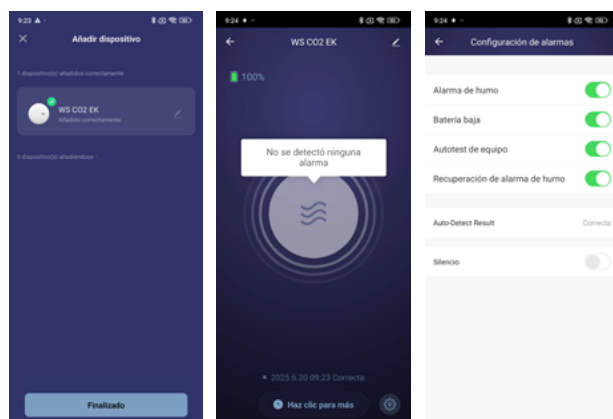
The family **SONDEK DETECTORS** comprises advanced environmental sensors for detecting critical threats such as carbon monoxide (CO) and carbon dioxide (CO2).

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

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

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 cable ² . 250 m reel. Floor cabling	1/4
325002	CVP 2-1,5	2-wire 1.5 mm cable ² . 200 m reel. Trunk network / long distances	1/4



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 any existing 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



CCA

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



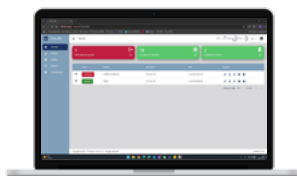
CCA+

- / 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



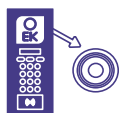
RF KEY

- / 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-li-
ght detection
system



Compatible with
external push
button



LCD screen with
a simple, intuitive
directory



Monitor call volu-
me adjustment



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



Extension unit for
more than
32 monitors



Monitoring func-
tion. The street can
be viewed without
a prior call.



Easy to install and
programme



Integrated MIFA-
RE access control



Branch or cascade
installation option



Suitable for re-
trofit installation
using existing
cabling



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



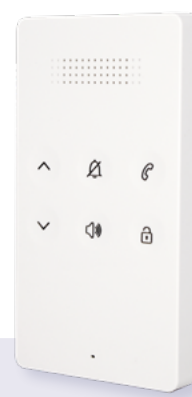
ENTRANCE PANEL
(PCD-E-B) FOR
SURFACE
INSTALLATION



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

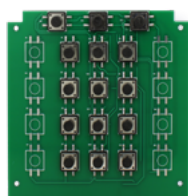
SINGLE-DWELLING 2-WIRE VIDEO DOOR ENTRY KITS



PE 1BM



WiFi DEMO CASE



TPE



CPC

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
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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
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ENTRANCE PANEL WITH 1 PUSH BUTTON

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



- / 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)

Call answering
from a smartphone



Download



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

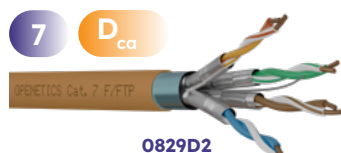
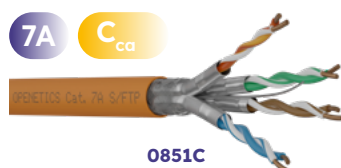
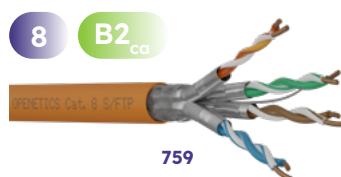
- a1** Conductivity < 2,5 µS/mm γ pH > 4,3
- a2** Conductivity < 10 µS/mm γ pH > 4,3
- a3** None of the above

15

OPENETICS / ADALTRA

STRUCTURED COPPER CABLING SYSTEMS





CODE	REFERENCE	DESCRIPTION	PACK QUANTITY
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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
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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
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CAT. 8 MALE CONNECTORS

2238	2238	Shielded male RJ45 Cat. 8 tool-free connector	10
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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
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CAT. 7 COPPER CABLES

CAT. 7 F/FTP LSZH CABLES

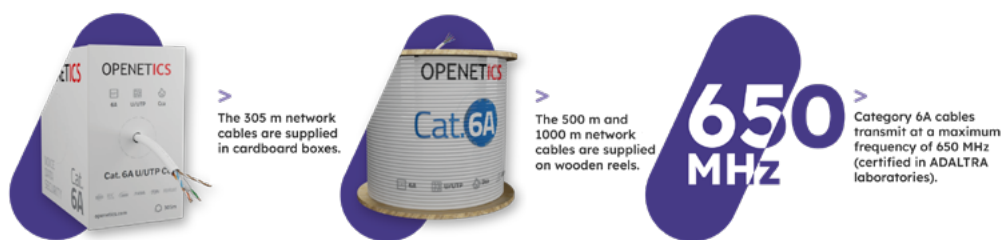
500 m reels available with **EKROLLERXL**

0829D2	0829D2	Cat. 7 F/FTP solid LSZH Dca, s2, d2, a1 cable on a 500 m reel, orange	500 m
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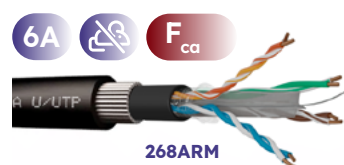
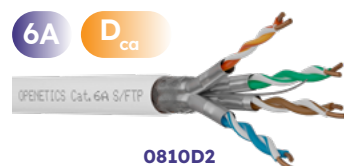
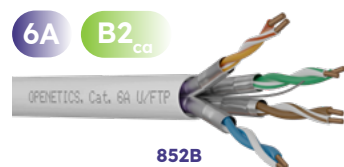
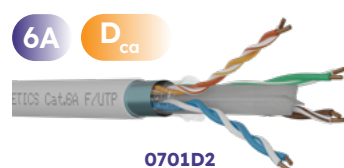
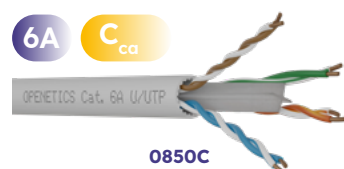
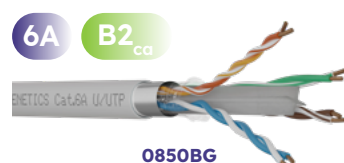
CAT. 7A / 7 CONNECTORS

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)

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
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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
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CAT. 6A S/FTP LSZH CABLES

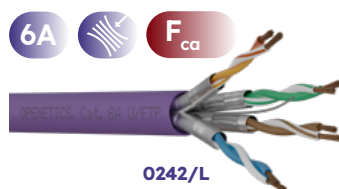
500 m reels available with **EKROLLERXL**

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
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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



67202

SlimPatch



67602



67302

CAT. 6A U/FTP LSZH STRANDED CABLES

500 m reels available with **EKRÖLLERXL**

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

Please enquire about custom patch-cord production.

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

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

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

Please enquire about custom patch-cord production.



67702



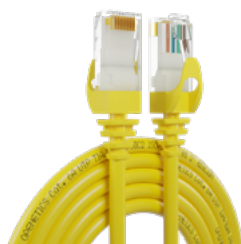
67202A



67202R



67202V



67202Y

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

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

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
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
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
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



SlimPatch



67602A

SlimPatch



67602R

SlimPatch

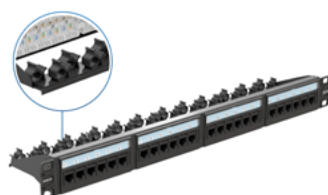


67602V

SlimPatch



67602Y



05618



50036

New Design

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

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
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
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
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	1 U 24-port Cat. 6A UTP GIGALAN 500 patch panel* with label holder and cable-management system	1
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See more patch panel models on page 103

MODULAR DIN-RAIL PRODUCTS

CAT. 6A DIN-RAIL MODULES

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

AXT
certified



5828



5854



0021



2221



12211A



12205



2222



50029

CAT. 6A CONNECTORS

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

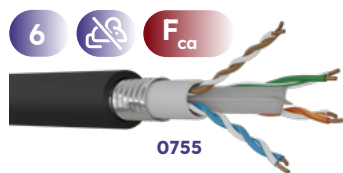
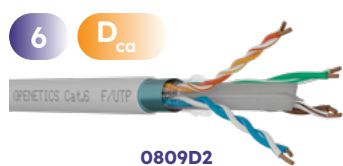
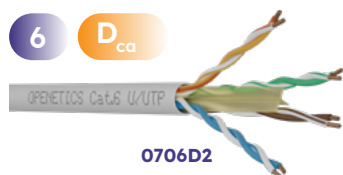
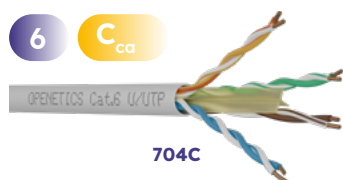
CAT. 6A INDUSTRIAL ETHERNET CONNECTORS

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

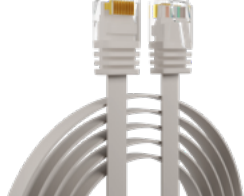
CAT. 6A DATA ADAPTERS

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



FLAT Patch



67602



6823

CAT. 6 COPPER CABLES

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

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
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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

*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

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



6823V



6823Y



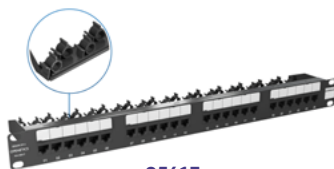
6805A



6805R



6855



05617



5810



50076

New
Design

COLOURED CAT. 6 U/UTP LSZH PATCH CORDS

6825A	E 6825A	Cat. 6 U/UTP LSZH patch cord, 5 m, blue	5
6700V	E 6700V	Cat. 6 U/UTP LSZH patch cord, 0.5 m, green	10
6823V	E 6823V	Cat. 6 U/UTP LSZH patch cord, 3 m, green	10
6825V	E 6825V	Cat. 6 U/UTP LSZH patch cord, 5 m, green	5
6700Y	E 6700Y	Cat. 6 U/UTP LSZH patch cord, 0.5 m, yellow	10
6823Y	E 6823Y	Cat. 6 U/UTP LSZH patch cord, 3 m, yellow	10
6825Y	E 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	E 6799A	Cat. 6 U/UTP PVC patch cord, 0.5 m, blue	10
6805A	E 6805A	Cat. 6 U/UTP PVC patch cord, 5 m, blue	5
6802R	E 6802R	Cat. 6 U/UTP PVC patch cord, 2 m, red	10
6803R	E 6803R	Cat. 6 U/UTP PVC patch cord, 3 m, red	10
6805R	E 6805R	Cat. 6 U/UTP PVC patch cord, 5 m, red	5
6805V	E 6805V	Cat. 6 U/UTP PVC patch cord, 5 m, green	5
6803Y	E 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	E 6855	Cat. 6 F/UTP LSZH patch cord, 5 m, grey	5
6860	E 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	E 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
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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



5847

SOLUCIÓN
MACH3



5843



1209



1212

1215

1217



05604



56041



50025



4692

CAT. 6 CONNECTORS

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

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

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

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

CAT. 6 CABLE COUPLER

4692	4692	Cat. 6 UTP cable coupler	1
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5934



5903A



5903R



5903V



5903Y



05614



05619-ANG

CAT. 5 COPPER PATCH CORDSe

CAT. 5e U/UTP PATCH CORDS

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

COLOURED CAT. 5e U/UTP PATCH CORDS

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

UNLOADED PATCH PANELS

5515	E 5515	19-inch 1 U unloaded 16-port patch panel	1
5516	E 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



8400



1314



13091

New Design



HCC RJ45



22193



22194



14130

TOOL KIT
+ KEYSTONES



910003

x100

N

ACCESSORIES FOR COPPER STRUCTURED CABLING SYSTEMS

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

ACCESSORIES FOR RJ45 KEYSTONE JACKS

22551	22551	Dust cap for female RJ45 connector	1
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TOOLS FOR COPPER AND COAXIAL STRUCTURED CABLING

CABLE-STRIPPING / WIRE-CUTTING TOOLS

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

CONNECTOR CRIMPING TOOLS

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

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

KITS WITH RJ45 CONNECTORS AND CABLING TOOLS

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



12001



12005



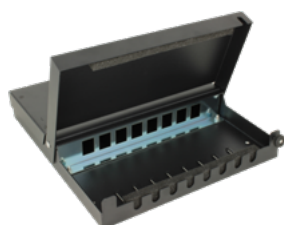
12015



12054



12055



12281



47222

SURFACE-MOUNT BOXES WITH FRAMES

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	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
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CONSOLIDATION POINTS

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

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

Sistema modular.

Personaliza tu instalación.

Una caja de mecanismos, infinitas posibilidades

Combina los módulos que necesitas
y crea la solución perfecta para
cada espacio.



100% Modular



Instalación rápida



Integración perfecta

10 módulos. Todas las combinaciones



12006



12007



12044



12031-W



12031-R



12015



12014



12046



12057



12055



Diseño limpio



Material de calidad



Versatilidad total



Compromiso sostenible

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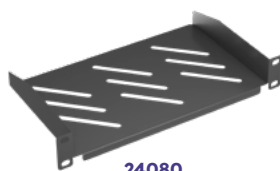
The Mini Rack kit includes: 10-inch 6 U metal rack, unloaded 12-port 10-inch 1 U panel and 10-inch 1 U standard shelf.

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



24070



24080



54RPC

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
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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.

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



2415



66CP



NEW SMART RACK PLUS CONNECT AND CONNECT SECURE

*Details on pages 110-117



WiFi connection



Hysteresis control



EK Smart app alarms



Door-opening sensor



Ek
SMART



UNIRACK 19"

New
Design

New
Packaging

Glass front door

New Design



Glass front door

UNIRACK



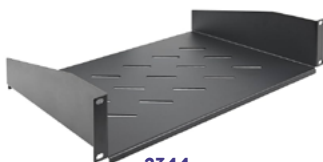
23234



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
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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 m³/h for wall-mount rack	1
23311	23311	Silent ventilation panel 190 m³/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	N 55301	19-inch WiFi temperature control, alarm and door sensor unit via EK Smart for 19-inch racks	1
54RPC	N 54RPC	Door contact kit for 55301	1

Fully equipped 19-inch rack cabinets for any installation

SR⁺_{RACK}

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



Fully equipped 19-inch rack cabinets for any installation

SR⁺ RACK

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	Perforated	1
2766PP	2766PP	27 U	1303	600	600	Perforated	Perforated	1
2768PP	2768PP	27 U	1303	600	800	Perforated	Perforated	1
2761PP	2761PP	27 U	1303	600	1000	Perforated	Perforated	1
2788PDP	2788PDP	27 U	1303	800	800	Perforated	Double-perforated	1
3266PP	3266PP	32 U	1525	600	600	Perforated	Perforated	1
3268PP	3268PP	32 U	1525	600	800	Perforated	Perforated	1
3261PP	E 3261PP	32 U	1525	600	1000	Perforated	Perforated	1
3288PDP	3288PDP	32 U	1525	800	800	Perforated	Double-perforated	1
3281PDP	N 3281PDP	32 U	1525	800	1000	Perforated	Double-perforated	1
4266PP	4266PP	42 U	1970	600	600	Perforated	Perforated	1
4268PP	4268PP	42 U	1970	600	800	Perforated	Perforated	1
4261PP	4261PP	42 U	1970	600	1000	Perforated	Perforated	1
4288PDP	E 4288PDP	42 U	1970	800	800	Perforated	Double-perforated	1
4281PDP	E 4281PDP	42 U	1970	800	1000	Perforated	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-perforated	Double-perforated	1
4281DPDP	4281DPDP	42 U	1970	800	1000	Double-perforated	Double-perforated	1
42812DPDP	N 42812DPDP	42 U	1970	800	1200	Double-perforated	Double-perforated	1
4788DPDP	4788DPDP	47 U	2192	800	800	Double-perforated	Double-perforated	1
4781DPDP	4781DPDP	47 U	2192	800	1000	Double-perforated	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



The models **SRack* CONNECT** include as standard:

- / 1 ventilation panel with digital thermostat and 4 fans
- / 1 x 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	N 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



The models SRack* CONNECT include as standard:

/ 1 ventilation panel with digital thermostat and 4 fans

/ 1 x 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	Perforated	1
2766PPW	2766PPW	27 U	1303	600	600	Perforated	Perforated	1
2768PPW	2768PPW	27 U	1303	600	800	Perforated	Perforated	1
2761PPW	2761PPW	27 U	1303	600	1000	Perforated	Perforated	1
2788PDPW	2788PDPW	27 U	1303	800	800	Perforated	Double-perforated	1
3266PPW	3266PPW	32 U	1525	600	600	Perforated	Perforated	1
3268PPW	3268PPW	32 U	1525	600	800	Perforated	Perforated	1
3261PPW	E 3261PPW	32 U	1525	600	1000	Perforated	Perforated	1
3288PDPW	3288PDPW	32 U	1525	800	800	Perforated	Double-perforated	1
3281PDPW	N 3281PDPW	32 U	1525	800	1000	Perforated	Double-perforated	1
4266PPW	4266PPW	42 U	1970	600	600	Perforated	Perforated	1
4268PPW	4268PPW	42 U	1970	600	800	Perforated	Perforated	1
4261PPW	4261PPW	42 U	1970	600	1000	Perforated	Perforated	1
4288PDPW	E 4288PDPW	42 U	1970	800	800	Perforated	Double-perforated	1
4281PDPW	E 4281PDPW	42U	1970	800	1000	Perforated	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-perforated	Double-perforated	1
4281 DPDPW	4281DPDPW	42U	1970	800	1000	Double-perforated	Double-perforated	1
42812 DPDPW	N 42812DPDPW	42U	1970	800	1200	Double-perforated	Double-perforated	1
4788 DPDPW	4788DPDPW	47 U	2192	800	800	Double-perforated	Double-perforated	1
4781 DPDPW	4781DPDPW	47U	2192	800	1000	Double-perforated	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 x 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



Smart Rack Plus CONNECT SECURE models include as standard:

/ 1 ventilation panel with digital thermostat and 4 fans

/ 1 x 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	Perforated	1
2766 PPWS	2766PPWS	27 U	1303	600	600	Perforated	Perforated	1
2768 PPWS	2768PPWS	27 U	1303	600	800	Perforated	Perforated	1
2761 PPWS	2761PPWS	27 U	1303	600	1000	Perforated	Perforated	1
2788 PDPWS	2788PDPWS	27 U	1303	800	800	Perforated	Double-perforated	1
3266 PPWS	3266PPWS	32 U	1525	600	600	Perforated	Perforated	1
3268 PPWS	3268PPWS	32 U	1525	600	800	Perforated	Perforated	1
3261 PPWS	E 3261PPWS	32 U	1525	600	1000	Perforated	Perforated	1
3288 PDPWS	3288PDPWS	32 U	1525	800	800	Perforated	Double-perforated	1
3281 PDPWS	N 3281PDPWS	32 U	1525	800	1000	Perforated	Double-perforated	1
4266 PPWS	4266PPWS	42 U	1970	600	600	Perforated	Perforated	1
4268 PPWS	4268PPWS	42 U	1970	600	800	Perforated	Perforated	1
4261 PPWS	4261PPWS	42 U	1970	600	1000	Perforated	Perforated	1
4288 PDPWS	E 4288PDPWS	42 U	1970	800	800	Perforated	Double-perforated	1
4281 PDPWS	E 4281PDPWS	42U	1970	800	1000	Perforated	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-perforated	Double-perforated	1
4281 DPDPWS	4281DPDPWS	42 U	1970	800	1000	Double-perforated	Double-perforated	1
42812 DPDPWS	N 42812DPDPWS	42 U	1970	800	1200	Double-perforated	Double-perforated	1
4788 DPDPWS	4788DPDPWS	47 U	2192	800	800	Double-perforated	Double-perforated	1
4781 DPDPWS	4781DPDPWS	47U	2192	800	1000	Double-perforated	Double-perforated	1



ACCESSORIES AND SPARE PARTS FOR SRack*

CODE	REFERENCE	DESCRIPTION	PACK QUANTITY
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ACCESSORIES AND SPARE PARTS FOR SMART RACK PLUS

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
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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

ACCESSORIES AND SPARE PARTS FOR PREMIUM SERVER RACK

ACCESSORIES AND SPARE PARTS FOR PREMIUM SERVER RACK

2542	E 2542	Ventilation panel 300 m³/h with thermostat (supports up to 2 units)	1
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2542

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	N 66REAF	Filtered air intake grille	1
66CP	66CP	Smart door contact	1
66SMAG	66SMAG	Galvanised steel wall-mounting accessory	1



66ZAEG



66IPVAG-W



66REAF

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



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



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



66CPH



27692



2761

OPTIONAL SPARE PARTS AND ACCESSORIES FOR STAINLESS STEEL HIGHWAY PLUS

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

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

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



27819



5526



55250



2337 | 2338 | 2339



5519

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

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
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19-INCH BLANKING PANELS

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
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VERTICAL CABLE MANAGERS

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

17

OPENETICS / ADALTRA

PROFESSIONAL PDU POWER STRIPS



PDU POWER DISTRIBUTION STRIPS

[PDU POWER DISTRIBUTION UNITS]



02394



2395



2400



02399



28000



26015



26012

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

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 x 4 cable	1

Other terminations available; please enquire

0 U PDU PROFESSIONAL POWER STRIPS [SCHUKO POWER OUTLETS]

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	19-inch professional PDU power strip, 8 French power outlets with switch	1
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Other terminations available; please enquire

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

28000	28000	19-inch professional PDU power strip, 8 American NEMA power outlets with switch, 1.8 m cable	1
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Other terminations available; please enquire

BASIC PDU "DATA CENTER GRADE"

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

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



BASIC SMART TCP/IP PDU (DATA CENTER GRADE)

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

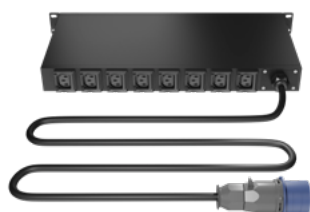
26019/IP

26028/IP

TCP/IP INTELLIGENT PDU (DATA CENTER GRADE)

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

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



26046/32

18

OPENETICS / ADALTRA

OPTICAL FIBRE MM/SM



CODE	REFERENCE	DESCRIPTION	PACK QUANTITY
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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



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	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

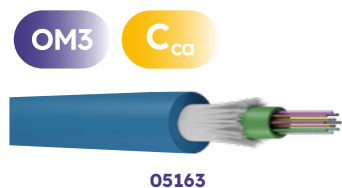
DIELECTRIC SINGLE-TUBE MM OM3 LSZH FIBRE-OPTIC CABLES INDOOR / OUTDOOR

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



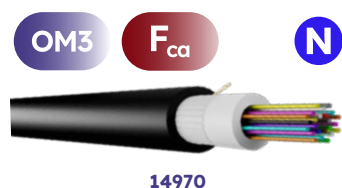
05200	N 05200	Dielectric OM3 fibre-optic cable with 4 fibres, Outer Ø 7 mm, LSZH B2ca s1a, d0, a1	1
05201	N 05201	Dielectric OM3 fibre-optic cable with 8 fibres, Outer Ø 7 mm, LSZH B2ca s1a, d0, a1	1
05202	N 05202	Dielectric OM3 fibre-optic cable with 12 fibres, Outer Ø 7 mm, LSZH B2ca s1a, d0, a1	1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



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



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

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

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

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

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

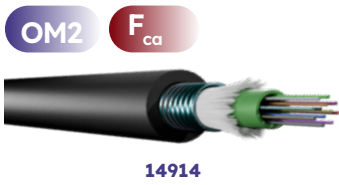
DIELECTRIC SINGLE-TUBE MM OM5 LSZH FIBRE-OPTIC CABLES INDOOR / OUTDOOR

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

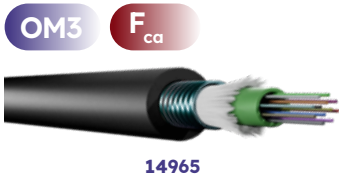
05232	N 05232	8-fibre OM5 dielectric fibre-optic cable, Outer Ø 7 mm, LSZH, B2ca s1a, d0, a1	1
05233	N 05233	12-fibre OM5 dielectric fibre-optic cable, Outer Ø 7 mm, LSZH, B2ca s1a, d0, a1	1
05235	N 05235	16-fibre OM5 dielectric fibre-optic cable, Outer Ø 7.5 mm, LSZH, B2ca s1a, d0, a1	1
05234	N 05234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



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



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

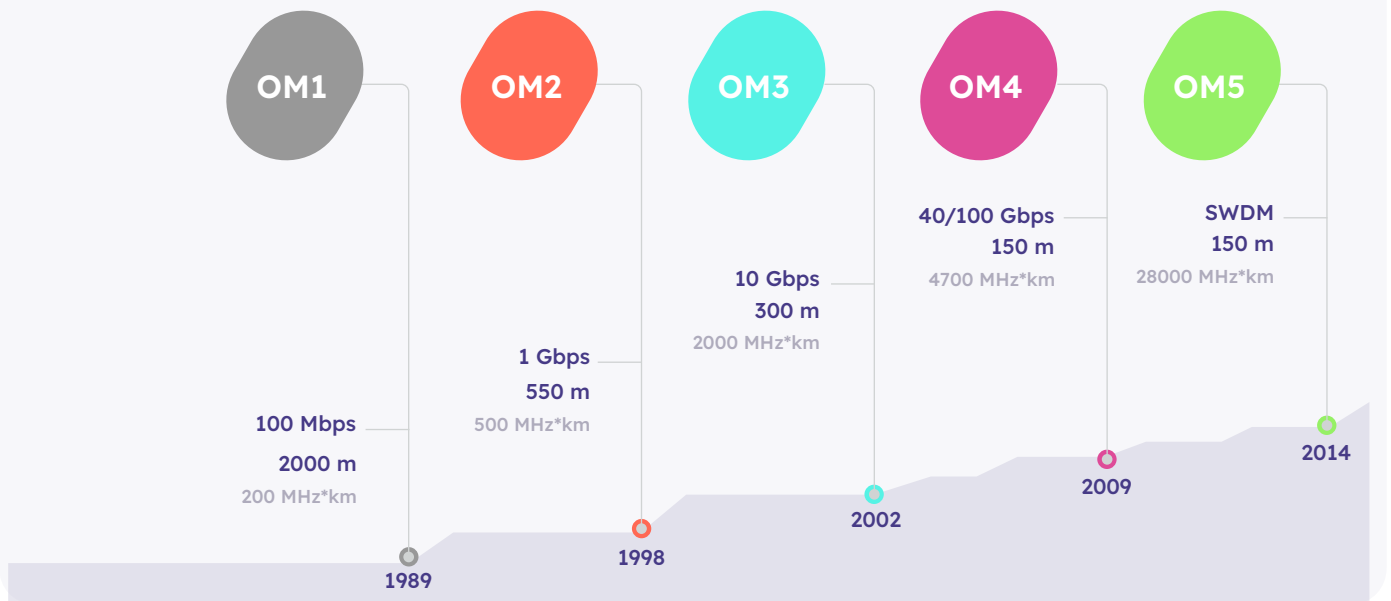
14962	E 14962	8-fibre OM3 metal-armoured fibre-optic cable, for outdoor use, Fca	1
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FIBRE-OPTIC ACCESSORIES AND SERVICES

FIBRE-OPTIC CABLE REELS AND CUTTING SERVICE

360007	CFC	Cable or fibre cutting service. Includes reel	1
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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

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



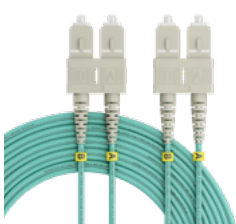
4926

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

OM4



50690

50481

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

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	Mechanical splice for fibre-optic cassette (250 µm and 900 µm)	20
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51029



51034



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50511



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5490



5493

PRE-POLISHED “FAST” CONNECTORS FOR MULTIMODE OPTICAL FIBRE

FAST CONNECTORS FOR OM1 MULTIMODE OPTICAL FIBRE

51029	51029	FAST connector OM1 [62.5/125 µm], SC/PC, 0.9 mm	1
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FAST CONNECTORS FOR OM2 MULTIMODE OPTICAL FIBRE

51028	51028	FAST connector OM2 [50/125 µm], SC/PC, 3 mm	1
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FAST CONNECTORS FOR OM3 MULTIMODE OPTICAL FIBRE

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

51035	51035	900/250 µm microtube for 0.9 mm FAST connector (10 m)	1
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BULKHEAD ADAPTERS FOR MULTIMODE OPTICAL FIBRE

MULTIMODE BULKHEAD ADAPTERS

5055	5055	OM2 ST/PC simplex bulkhead adapter with mounting flanges	1
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5076	5076	OM2 SC/PC simplex bulkhead adapter with mounting flanges	1
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5079	5079	OM2 FC/PC simplex bulkhead adapter with mounting flanges	1
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5101	5101	OM2 ST/PC duplex bulkhead adapter with mounting flanges	1
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5060	5060	OM2 SC/PC duplex bulkhead adapter with mounting flanges	1
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5050	5050	OM2 SC/ST duplex bulkhead adapter with mounting flanges	1
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5087	5087	OM2 LC/PC duplex bulkhead adapter with mounting flanges	1
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5089	5089	OM3 SC/PC simplex bulkhead adapter with mounting flanges	1
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50511	50511	OM3 SC/PC simplex bulkhead adapter without mounting flanges	1
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5090	5090	OM3 SC/PC duplex bulkhead adapter with mounting flanges	1
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5093	5093	OM3 LC/PC duplex bulkhead adapter with mounting flanges	1
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50515	50515	OM3 LC/PC duplex bulkhead adapter without mounting flanges	1
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5491	5491	OM3 LC/PC quadruplex bulkhead adapter with mounting flanges	1
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5489	5489	OM4 SC/PC simplex bulkhead adapter with mounting flanges	1
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50516	50516	OM4 SC/PC simplex bulkhead adapter without mounting flanges	1
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5490	5490	OM4 SC/PC duplex bulkhead adapter with mounting flanges	1
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5493	5493	OM4 LC/PC duplex bulkhead adapter with mounting flanges	1
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5494	5494	OM4 LC/PC duplex bulkhead adapter without mounting flanges	1
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5492	5492	OM4 LC/PC quadruplex bulkhead adapter with mounting flanges	1
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5495	5495	OM5 SC/PC simplex bulkhead adapter with mounting flanges	1
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5499	5499	OM5 SC/PC simplex bulkhead adapter without mounting flanges	1
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5496



50039

New Design

OM1



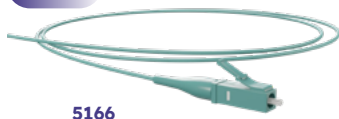
5061

OM2



5159

OM3



5166

OM4



50575

OM5



5178

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

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 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 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 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 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 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



05173

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

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



05212

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

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



14957

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

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



05243

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

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

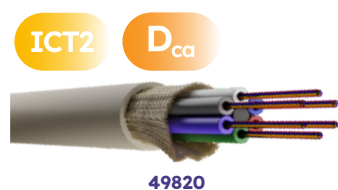


METAL-ARMoured SINGLE-MODE OS2 FIBRE-OPTIC CABLES [9/125 µm], Fca, LOOSE-TUBE CONSTRUCTION, BLACK

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	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 x 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 x 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	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



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



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
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.			
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
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



5155/1	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
5161/1	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
5169/1	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

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

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



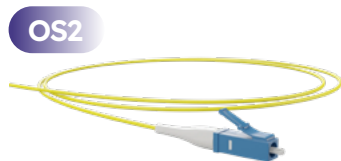
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PLASTIC ATTENUATORS

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

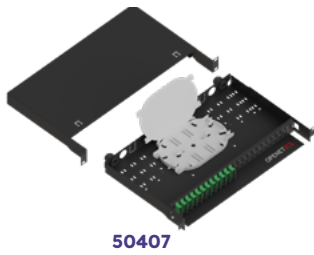
SINGLE-MODE OS2 BULKHEAD ADAPTERS

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

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



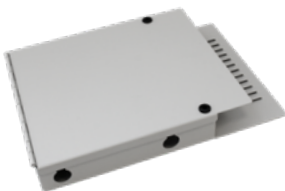
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361104



361041



361042



50061EC

19-INCH DISTRIBUTION BOXES AND SLIDING PANELS

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

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

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
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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

DIN-RAIL MODULAR PRODUCTS

DIN-RAIL FIBRE-OPTIC MODULES. EASY CLICK SYSTEM

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



396012



5096



5097



21410



21450



50808/1

FIBRE-OPTIC DISTRIBUTION ENCLOSURES AND WALL-MOUNT BOXES

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

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

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

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	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

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





17093

New Design



17097

New Design



17040



51271



14093

MULTIMODE & SINGLE-MODE OTDRS AND LAUNCH REELS

OPTICAL REFLECTOMETERS (OTDR)

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

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

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
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The OPENETICS FTTX measurement kit includes:

- Triple laser source for FTTH (Ref. 51268)
- GPON optical power meter (Ref. 51280)

OPTICAL POWER METERS

51271	51271	Optical power meter	1
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FIBRE-OPTIC FUSION SPLICERS

FUSION SPLICERS

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





14012

FIBRE-OPTIC TERMINATION AND INSTALLATION TOOLS

CLEAVERS

14012	14012	Precision fibre-optic cleaver, model FC-300	1
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VLF LASERS

14011	14011	Visual fibre locator laser	1
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TOOL KITS FOR FAST CONNECTORS

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

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

14006	14006	Special Kevlar cutting scissors for fibre optics	1
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14005	14005	125/250/900 µm fibre-optic stripper	1
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17013	17013	Miller coating stripper for fibre optics	1
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17070



14006

- 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.



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.
- As an exception, only parcel shipments that can be handled by standard carriers (TIPSA, SEUR, MRW or equivalent) will be accepted, always within the specified maximum dimensions and weights. Direct shipment of palletised goods or goods exceeding the carrier's permitted volume will not be accepted under any circumstances.
- Small parcels may be sent by ADALTRA IBERIA S.L.U. provided that the order exceeds the specified minimum value and meets the minimum threshold for carriage-paid delivery. Otherwise, a shipping charge of €25 will apply.
- 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 —

ADALTRA - ADALTRA IBERIA S.L.U.
EK · OPENETICS
Av. Cerdanyola 79-81 Local C
08172 Sant Cugat del Vallés
Barcelona (Spain)
+34 93 583 95 43 · +34 937 848 212
info@ek.plus · info@openetics.com
www.ek.plus · www.openetics.com
www.adaltra.es

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