

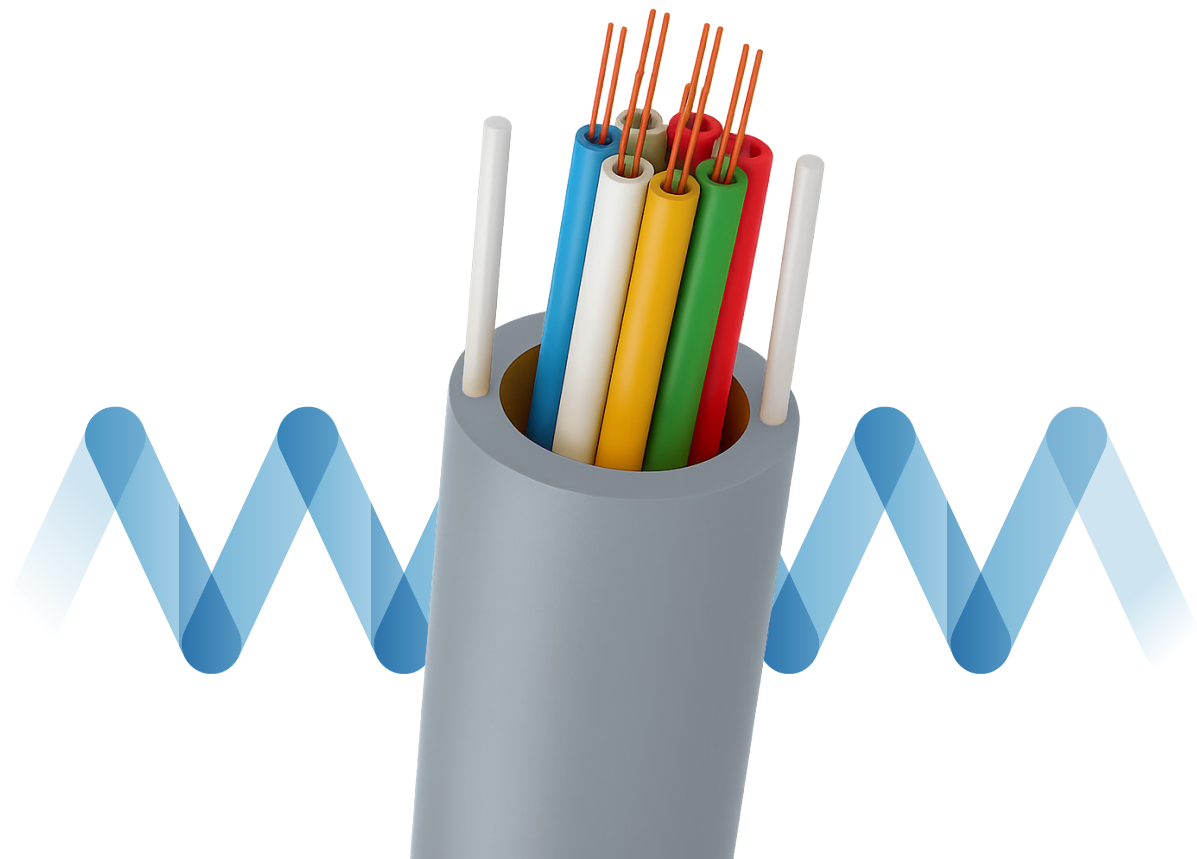
49825

24F SM G657A2 multitube 900 µm LSZH Dca dielectric fiber optic cable



DESCRIPTION

High-performance fiber optic cable for video, voice, and data transmission. The manufacture of these cables is subject to strict safety regulations, complying with the most demanding international certification standards.



APPLICATIONS

- Riser cable for interconnecting buildings.
- Connection between panels and voice and data points.
- Short-distance distribution to terminals.
- General indoor and outdoor use in local area networks (LANs) and video.

OPENETICS
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BENEFITS

- Compact, lightweight, highly flexible, robust, and durable.
- Easy to peel (gel-free).
- Fully dielectric.
- Reduced diameter.
- Direct connection.
- Savings on installation costs.
- Halogen-free, low smoke emission, and flame retardant.
- UV resistant.
- Protected from rodents.
- Compatible with the complete range of fiber optic components.

REGULATIONS

Mechanical and thermal tests according to: **Fire test according to:**

IEC 60793-1	UNE-EN 50266 (IEC 60332/1-2)
IEC 60793-2	UNE-EN 50267 (IEC 60754-1-2)
IEC 60794-2	Euroclass CPR
IEC 60332-1-2	Reaction to fire Dca, s1, d1, a1
IEC 60754-1	
IEC 60754-2	

PROPERTIES

Fiber type:	Riser Fiber - 2/4 G657A2
Fibers:	12 sub-ducts * 2 fibers. Total 24 fibers
Application:	Connecting devices indoors
Configuration:	Bare fiber LSZH resistant coating Aramid fibers
Outer cover:	LSZH, black or yellow (depending on availability)
Reaction to fire:	Dca
Temperature range:	Storage and transportation: -20 to +60 °C Installation: -10 to +50 °C Operation: -20 to +60 °C
Buffer diameter:	1.5 ± 0.3 mm
Outer diameter:	10 ± 0.5 mm
Weight/km:	67 kg

MECHANICAL SPECIFICATIONS

Traction load:	Short term:	450 N
	Long term:	150 N
Crush resistance:	Short term:	500 N / 10 cm
	Long term:	1000 N / 10 cm
Minimum radius of curvature:	Dynamic:	20 D
	Static:	10 D
Tensile strength (proof stress):	≥ 0.69 GPa	

OPTICAL SPECIFICATIONS

Attenuation:	@1310 nm: ≤ 0.35 dB/km @1550 nm: ≤ 0.21 dB/km	
Zero dispersion wavelength:	1300–1324 nm	
Zero dispersion slope:	≤ 0.092 ps/nm ² ·km	
Macrobend loss (A2):	(10 turns; Ø 30 mm) @1550 nm:	≤ 0.03 dB
	(10 turns; Ø 30 mm) @1625 nm:	≤ 0.10 dB
	(1 turn; Ø 20 mm) @1550 nm:	≤ 0.10 dB
	(1 turn; Ø 20 mm) @1625 nm:	≤ 0.20 dB
	(1 turn; Ø 15 mm) @1550 nm:	≤ 0.50 dB
	(1 turn; Ø 15 mm) @1625 nm:	≤ 1.00 dB
Modal field diameter @1310 nm:	8.6 ± 0.4 μ m	

GEOMETRIC SPECIFICATIONS

Cladding diameter:	125 ± 0.7 μ m
Non-circularity of the coating:	$\leq 1.0\%$
Core/cladding concentricity error:	≤ 0.5 μ m

ORDER INFORMATION

REFERENCE	DESCRIPTION	USE	CPR	COVER	Ø FIBER	NO. FIBERS	PACKAGING
49825	SM dielectric fiber optic cable, multi-tube (2 fibers x 12 tubes) 900 µm, G657A2	interior	Dca	LSZH	9/125 µm	24 fibers tight	500 m