

14971

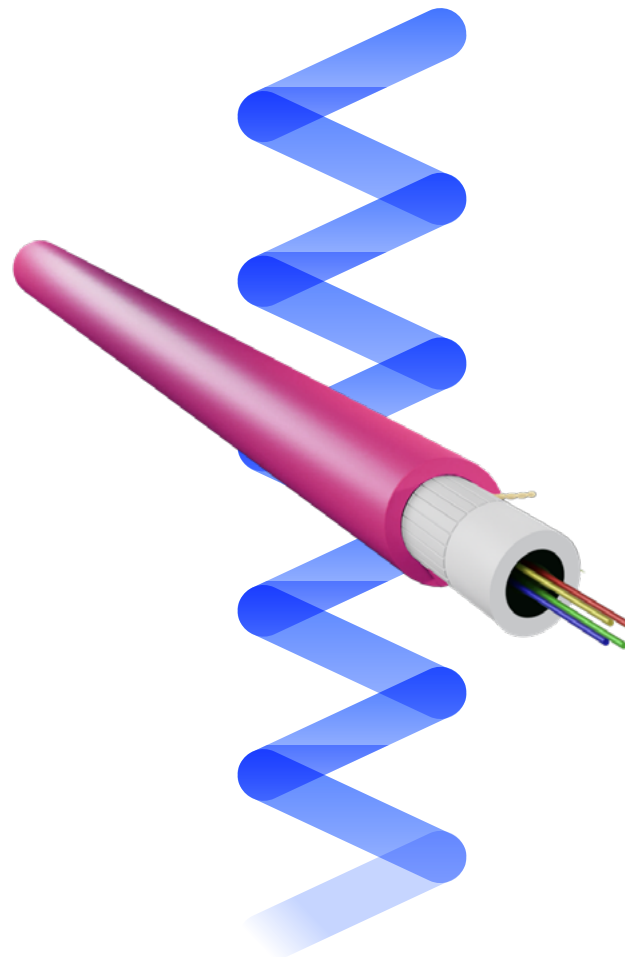
OM4

F_{ca}

4-fiber OM4 dielectric fiber-optic cable, Ø 7 mm. LSZH, Fca

DESCRIPTION

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



APPLICATIONS

- Interconnectivity between racks, thanks to the new Slim format
- Connections between panels and voice and data points
- Short-distance distribution to terminals
- Indoor/outdoor use in local area networks (LAN) and video applications.

OPENETICS
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ADVANTAGES

- Compact, lightweight, highly flexible, sturdy, and durable.
- Easy to peel (gel-free).
- Fully dielectric.
- Small diameter.
- Direct connection.
- Saves on installation costs.
- Halogen-free
- Protection against rodents
- Resistant to ultraviolet radiation.
- Compatible with the full range of fiber-optic components.

REGULATIONS

Specification for Outdoor Fiber-Optic Cables (OSP)	ANSI/ICEA S-104-696
European Standard for Fiber-Optic Cables for Telecommunications Networks	EN 187105
Color-coding for identifying optical fibers and tubes	TIA/EIA 598
Design and Reliability Requirements for Fiber-Optic Access Cables	Telcordia GR-409
European Fire Performance Classification	Euroclass CPR
Fire Reaction Classification of the Cable	Fca

TECHNICAL SPECIFICATIONS

Fibers	4	6	8	12	16	24
Center Tube Diameter	3 mm				3.5 mm	
Traction components	WB (water-blocking) glass-reinforced fibers					
Aarmor	Fiberglass					
Outer cover	LSZH / UV Thermoplastic					
Color	Polyolefin - Violet					
Weight (kg/km)	44				56	
Outer diameter	7 mm ± 0.3 mm				7.5 mm ± 0.3 mm	
Maximum Operating Load / Inst (N)	800 N / 1200 N					
Compressive strength (N/10 mm)	1,000 (10 min)					

Temperature range	Operating temperature range: -40°C to +70°C / Installation: -30°C to +70°C	
Minimum curvature radius	15 times the outer diameter	
Maximum coil length (m)	4000 m.	2200 m.
Fiber color	Red, green, yellow, blue, white, purple, orange, black, gray, brown, pink, turquoise	
Fiber color with 1 ring	Red, green, yellow, blue, white, purple, orange, black, gray, brown, pink, turquoise	

PHYSICAL SPECIFICATIONS

Core size	50 microns
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MECHANICAL SPECIFICATIONS

Stress Test	0.69 GPa	
Torsion	5 180° turns in a 1-meter section, in both directions.	
Impact resistance	4.4 J; 3 × 2 times	≤ 0.05 dB (1550 and 1625 nm)
Curvature losses	20 × D	≤ 0.10 dB (1550 and 1625 nm)
Peel force [F] (maximum value)	1.3 N ≤ F ≤ 8.9 N	
Fatigue [ns]	≥ 20	

BUSINESS INFORMATION

REFERENCE	DESCRIPTION	ENVIRONMENT	COVER	Ø CORE	NUMBER OF FIBERS	LENGTH (M)
14971	4-fiber OM4 dielectric fiber-optic cable, Ø 7 mm. LSZH, Fca	indoor / outdoor	LSZH	50/125 µm	4	1