

14956

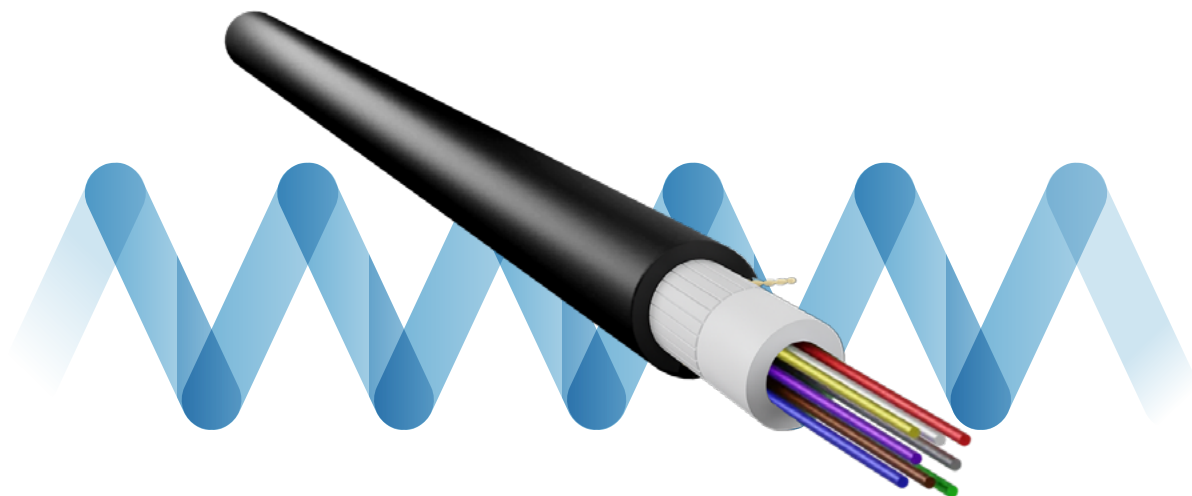
OS2

F_{ca}

OS2 Dielectric Fiber-Optic Cable 8 fibers, LSZH Fca, G-652

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 their new, reduced diameter Slim format.
- Connections between panels and voice and data points.
- Short-distance distribution to terminals.
- General indoor and outdoor use in local area networks (LANs) and video applications.
- FTTx Cabling

OPENETICS
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APPLICATIONS

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

REGULATIONS

ANSI/ICEA S-104-696	EN 187105
TIA/EIA 598	Telcordia GR-409

TECHNICAL SPECIFICATIONS

Fibers:	4, 8, 12, 16 y 24
Central tube diameter:	4-12 fibers: 3 mm / 16-24 fibers: 3.5 mm
Traction components:	WB (water-blocking) glass-reinforced fibers
Aarmor:	Fiberglass
Outer cover:	LSZH / UV Thermoplastic
Color:	Polyolefin - Black
Weight (kg):	4-12 fibers: 52 / 16-24 fibers: 64
Outer diameter:	4-12 fibers: 7 mm / 16-24 fibers: 7.5 mm
Maximum operating load / Inst (N):	800 N / 1200 N
Compressive strength (N/10 mm):	1,000 (10 min)
Temperature range:	Operating temperature: -30 °C to +60 °C / Installation temperature: -20 °C to 60 °C
Minimum curvature radius:	15 times the outer diameter
Maximum coil length (m):	4-12 fibers: 4,000 / 16-24 fibers: 2,000
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:	9 microns
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GEOMETRIC SPECIFICATIONS

Coating diameter:	125 ± 0.70 µm
Coating diameter (uncolored):	242 ± 7 µm
Core/lining concentricity error:	≤ 0.6 µm
Coating concentricity error:	≤ 12 µm
Ovality of the lining:	≤ 1,0%

OPTICAL SPECIFICATIONS

Attenuation:	1550 nm ≤ 0.21 dB/km 1625 nm ≤ 0.23 dB/km 1525–1575 nm ≤ 0.03 dB/km
Zero-dispersion point:	≤ 0.092 ps/(nm ² ·km)
Zero-dispersion earring:	1300–1324 nm
Chromatic dispersion at 1550 nm	≤ 18.6 ps/(nm ² ·km)
Chromatic dispersion at 1625 nm	≤ 23.7 ps/(nm ² ·km)
PMD single-fiber	≤ 0.20 ps/√km
Cable cutoff wavelength:	≤ 1260 nm

MECHANICAL SPECIFICATIONS

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

ENVIRONMENTAL SPECIFICATIONS

Attenuation induced by:	1550 and 1625 nm
Temperature range: -60°C to +85°C; temperature cycle:	≤ 0.05 dB/km
+85°C, 85% RH, Humid heat:	≤ 0.05 dB/km
+85°C, Dry heat:	≤ 0.05 dB/km
+23°C Immersion in water:	≤ 0.05 dB/km

BUSINESS INFORMATION

REF.	DESCRIPTION	USE	COVER	Ø CORE	NUM- BER OF FIBERS	LENGTH (M)
14956	4-fiber OS2 dielectric fiber-optic cable, FCA, G-652	interior / outdoor	LSZH	9/125 µm	4	1

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