

05233

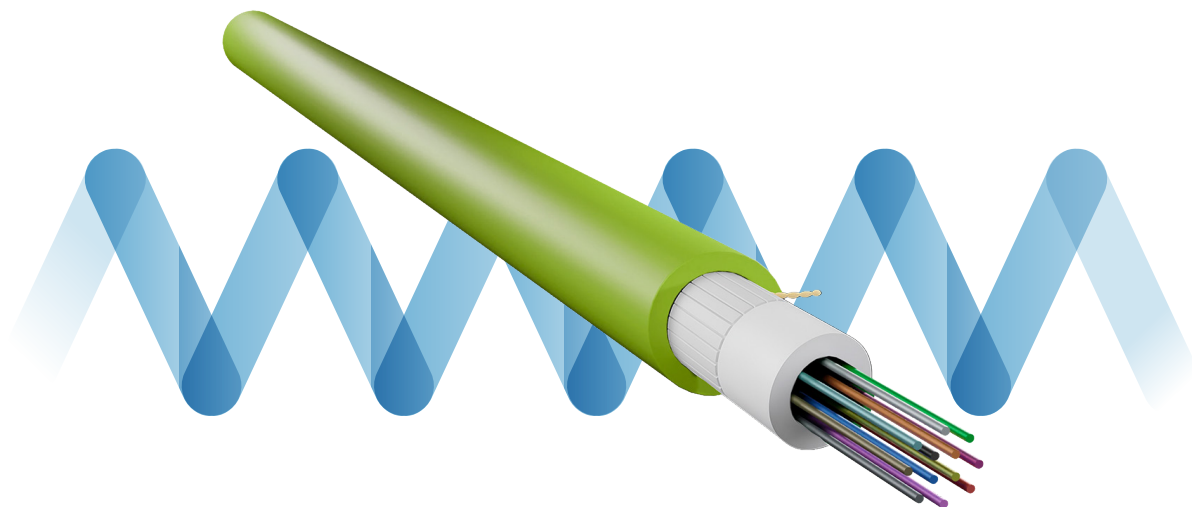
OM5

B2<sub>ca</sub>

## B2ca s1a,d0,a1 LSZH 50/125 $\mu$ m Dielectric Armored Fiber Optic Cable OM5 Slim

### 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 with a new Slim structure.



### APPLICATIONS

- Intercommunication between racks, thanks to its new diameter Slim format.
- 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:
EN 187,000	UNE-EN 50266 (IEC 60332-1-2-3-24)
IEC 60794-1-2 / F1	UNE-EN 50267 (IEC 60754-2)
EN 50399	UNE-EN 50268 (IEC 61034)
ENE-EN 60793-2-10 / -50	Euroclass CPR
	Reaction to fire B2ca, s1a, d0, a1
	DOP01005

**TECHNICAL SPECIFICATIONS**

Fibers:	12
Center tube diameter:	3 mm
Traction elements:	WB reinforced glass fibers (water blockers)
Aarmor:	Fiberglass
Outer cover:	LSZH / UV thermoplastic
Color:	Polyolefin - Lima
Weight (kg/km)	64
Outer diameter:	7.5 mm
Maximum load Operation / Installation (N):	800 N / 1200 N
Compressive strength (N/10mm):	1000 (10 min)
Temperature range:	In service -30°C to +60°C Installation: -20 to 60 °C
Minimum curvature radius:	15 x outer diameter
Maximum coil length (m):	2,200 m.
Fiber color:	Red, green, yellow, blue, white, violet, orange, black, gray, brown, pink, turquoise
Color of fibers with 1 ring:	Red, green, yellow, blue, white, violet, orange, black, gray, brown, pink, turquoise

**PHYSICAL SPECIFICATIONS**

Core size:	50 microns
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**MECHANICAL SPECIFICATIONS**

Stress test:	0.69 GPa
Twisting:	5 turns of 180° on a 1 m sample, in both directions.
Impact resistance:	≤ 0.05 dB (1550 and 1625 nm)
Losses due to curvature:	≤ 0.10 dB (1550 and 1625 nm)
Peeling force [F] (maximum value):	1.3 N ≤ F ≤ 8.9 N
Fatigue [ns]:	≥ 20

**BUSINESS INFORMATION**

REF.	DESCRIPTION	USE	COVER	Ø FIBER	NO. FIBERS	LENGTH (M)
05233	Dielectric armored multimode fiber optic cable	interior / outside	LSZH	50/125 µm	12	1