

05225

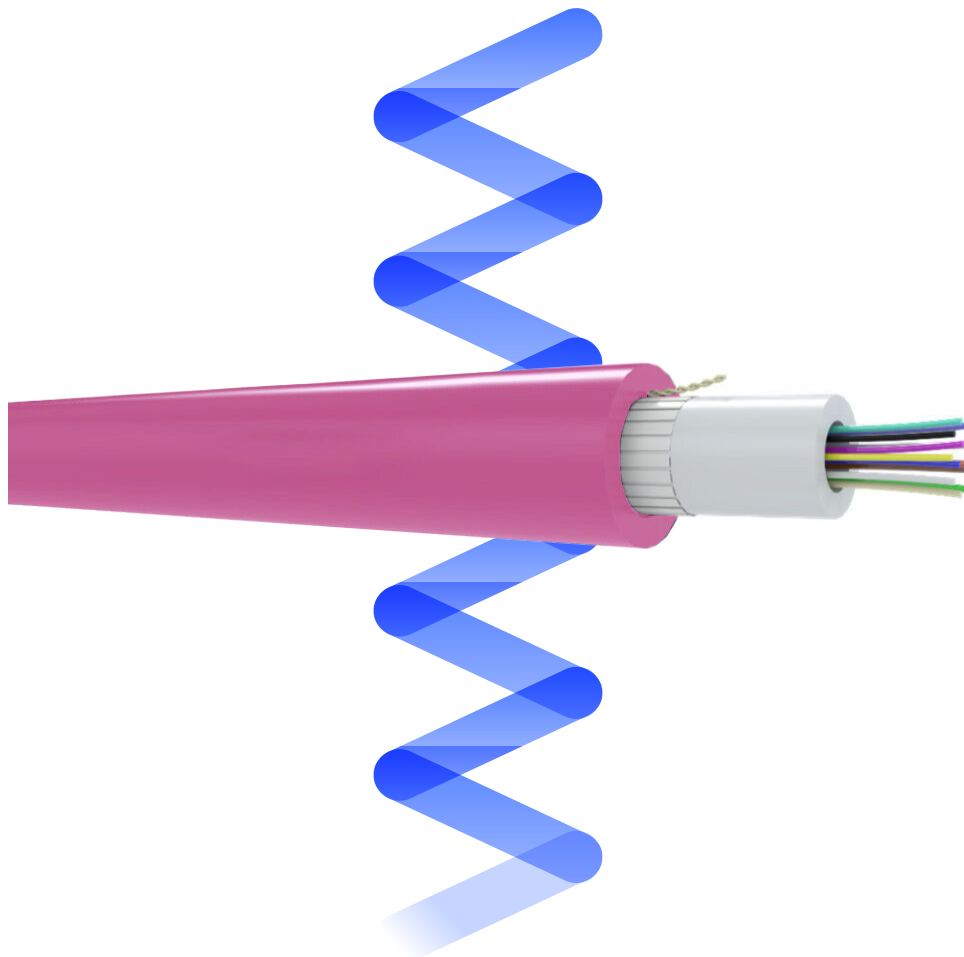
**24-fiber OM4 dielectric fiber optic cable, Ø 7.5 mm. LSZH, B2ca**

OM4

B2ca

## 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 the new Slim format
- Connection between panels and voice and data points
- Short-distance distribution to terminals
- Indoor/outdoor use in local area networks (LAN) and video.

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## ADVANTAGES

- 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

Design and construction of fiber optic cables	IN 187,000
Mechanical and environmental test methods for optical cables	IEC 60794-1-2 / F1
Fire propagation test on bundled cables	EN 50399
Specifications for multimode and single-mode optical fibers	JAN-JUN 60793-2-10 / -50
Flame propagation test on electrical cables	UNE-EN 50266 (IEC 60332-1-2-3-24)
Corrosive gas emission test during combustion	UNE-EN 50267 (IEC 60754-2)
Combustion smoke density test	UNE-EN 50268 (IEC 61034)
European classification of fire performance	Euroclass CPR
Fire reaction classification of the cable	B2ca, s1a, d0, a1
Product performance statement	DOP01005

## TECHNICAL SPECIFICATIONS

Fibers	4	6	8	12	16	24
Center tube diameter	3 mm				3.5 mm	
Traction elements	WB reinforced glass fibers (water blockers)					
Aarmor	Fiberglass					
Outer cover	LSZH / UV thermoplastic					
Color	Polyolefin - Violet					
Weight (kg/km)	52			64		
Outer diameter	7 mm			7.5 mm		
Maximum load operations / Inst (N)	800 N / 1200 N					
Compressive strength (N/10 mm)	1000 (10 min)					
Temperature range	In service -30°C to +60°C / Installation: -20°C to 60°C					

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Minimum curvature radius	15 x outer diameter	
Maximum coil length (m)	4,000 m.	2,200 m.
Color of the fibers	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	4.4 J; 3 × 2 times	≤ 0.05 dB (1550 and 1625 nm)
Loss 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	

## BUSINESS INFORMATION

REFERENCE	DESCRIPTION	USE	COVER	FIBER DIAMETER	NO. OF FIBERS	LENGTH (M)
05225	24-fiber OM4 dielectric fiber optic cable, Ø 7.5 mm. LSZH, B2ca	indoor / outdoor	LSZH	50/125 µm	24	1