FK4 Multi-fiber Cable Multi-Mode OM4 4 fibers, B2ca Euroclass and UV-resistant LSFH, indoor/outdoor, with rodent protection

4-fiber Multimode OM4 cable with UV-resistant LSFH sheath for indoor and outdoor installation. Each fiber is coated with a different colour, improving organization and making identification easier.
It features a rodent-resistant finish using fiberglass yarns integrated into the sheath. This protection acts as a deterrent by being uncomfortable for rodents, preventing them from continuing to bite the cable without damaging the fiber. Compared to metallic protection, this method offers several advantages. As it is a non-metallic material, it does not rust and provides greater resistance to degradation caused by corrosion. It is also a dielectric protection that prevents the transmission of electrical energy through it, avoiding the issues associated with this. In addition, its lower weight significantly reduces the weight of the cable during transport and facilitates installation. Unlike chemical rodent protection, it does not produce smoke in case of fire. These fiberglass yarns also act as structural reinforcement, providing high tensile strength during installation.
Includes water-blocking yarns, providing a physical barrier that prevents water from spreading inside the cable. This prevents changes in the optical refractive index and avoids ice formation in freezing environments, reducing damage caused by moisture freezing.
The Euroclass B2ca is recommended for installation in sensitive buildings (airports, hospitals, shopping centres, schools, universities), which require high safety levels due to their high occupancy. The Euroclass B2ca guarantees an adequate level of safety in terms of reaction to fire and toxic smoke emissions, reducing the risks associated with fire.

Reference 231960 is supplied per metre.

Ref.	231960
Logical ref.	OM4K4-250NGT
EAN13	8424450337332

Other features	
Colour	Black
Length	1.00 m

Packaging info	
Film	1 m

Physical data	
Net weight	40.00 g
Gross volume	0.05 dm^3
Gross weight	40.00 g
Width	7.00 mm
Height	1,000.00 mm
Depth	7.00 mm
Main product weight	40.00 g

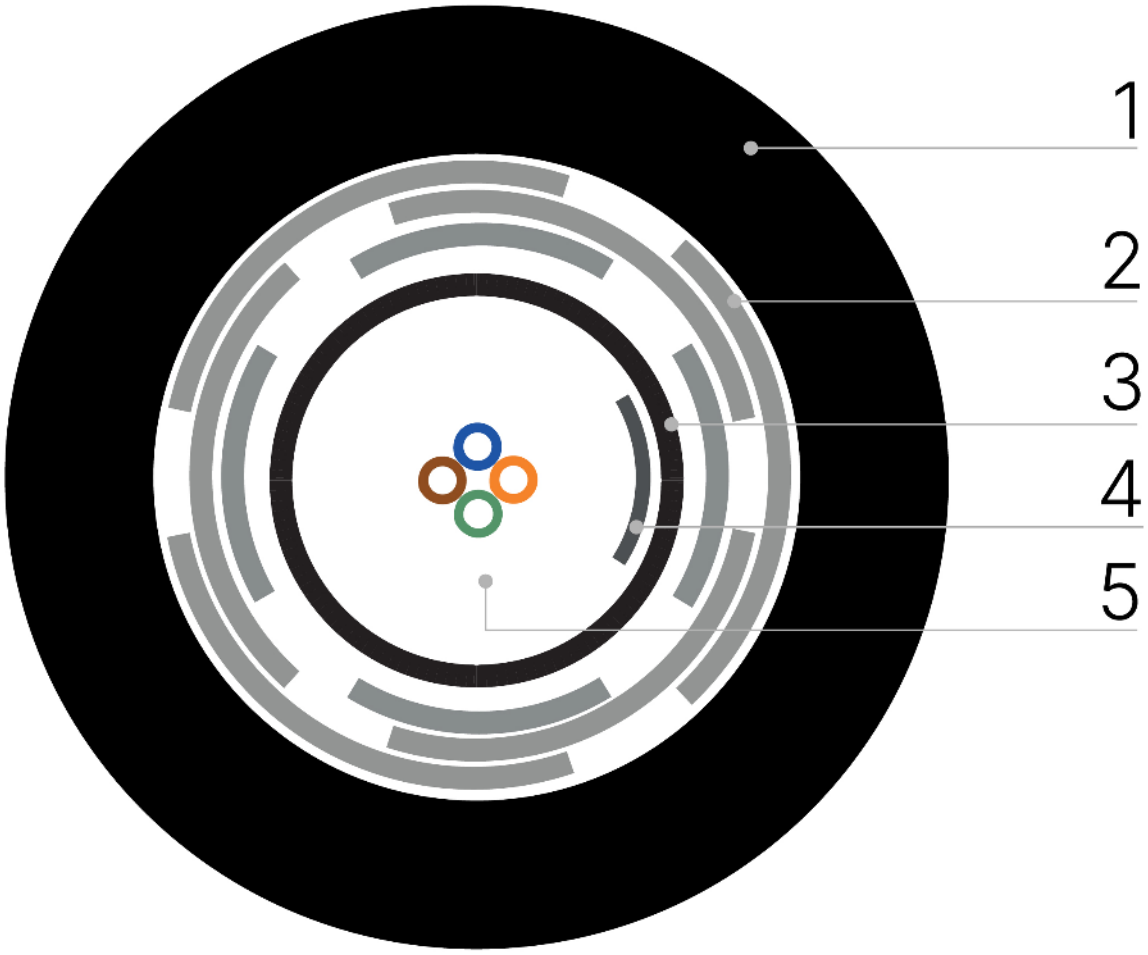
Highlights

- B2ca-s2,d2,a1 Euroclass recommended for sensitive installations (Hospitals, airports...)
- Low attenuation
- Protection against water and moisture through water-blocking yarns within the cable structure, which absorb moisture and limit its propagation inside the cable, protecting the optical fibres against water ingress
- Fiberglass yarns for rodent protection, preventing damage to the optical fibres caused by rodent attack
- Loose tube for protecting and isolating the optical fibres, preventing them from being directly subjected to the mechanical stresses of the cable and allowing the fibres to move inside the tube to compensate for changes in length, bending and temperature variations
- Structural reinforcement using fiberglass, providing high tensile strength without the need for a central strength member
- 50/125, ITU-T G.651.1 fiber type
- UV-resistant LSFH sheath, black colour

Mounting details

DETAILED VIEW OF THE FIBRE SECTION

1. UV-resistant LSFH outer sheath
2. Rodent protection fibres
3. Loose tube
4. Water-blocking yarns
5. Optical fibre


1
2
3
4
5

Technical specifications

Ref. 231960

Euroclass		B2ca
Euroclass: Smoke Production		s2
Euroclass: Flaming droplets		d1
Euroclass: Acidity		a1
Number of fibers		4
Fiber core type		Multi-mode (ITU-T-G.651.1)
Optical fiber type category		OM4
Fiber core Diameter	µm	50
Fiber cladding Diameter	µm	125
Coating buffer Diameter	µm	250
Outer sheath Diameter	in	0.287
Outer sheath Material		LSFH, UV-resistant
Blocking jelly		No
Moisture protection		Water-blocking yarns
Optical fiber attenuation: 850nm	dB/km	< 3.5
Optical fiber attenuation: 1300nm	dB/km	< 1.5
Long tension	N	2000
Structure reinforcement element		Glass Yarns
Rodent protection		Glass Yarns
Long crush (@100mm)	N	1500
Minimum bending radius	in	2.874
Operating temperature	°F	-40 ... 158