FK2 fiber Cable Single-Mode 2 fibers, Dca Euroclass and LSFH, outdoor, with rodent protection



2-fiber cable with UV-resistant LSFH sheath for outdoor installation. Each fiber has its own individual LSFH sheath and is identified with a specific colour. This provides a better organization and makes identification easier.

It features a rodent-resistant finish using fiberglass yarns integrated into the sheath, which act as a deterrent by being uncomfortable for rodents, preventing them from continuing to bite the cable without damaging the fiber. This protection method offers the following advantages compared to metallic protections:

- As it is a non-metallic material, it does not rust, providing greater resistance to degradation caused by corrosion.
- It is a dielectric protection, preventing the transmission of electrical energy through it and thus avoiding the issues associated with it.
- It is a lighter material, significantly reducing weight during transport and installation.

In addition, unlike chemical rodent protection, in case of fire it does not produce any type of smoke.
These fiberglass yarns also act as structural reinforcement, providing high tensile strength during installation work.

Ref.	232002
Logical ref.	OSK2A-500
EAN13	8424450170151

Other features	
Colour	Black
Length	500.00 m

Physical data	
Net weight	23.00 g
Gross volume	0.06 dm³
Gross weight	24.00 g
Width	5.00 mm

Packaging info	
Reel	500 m
Pallet	12000 m

Height	1,000.00 mm
Depth	5.00 mm
Main product weight	23.00 g

Highlights

- Dca-s2,d0,a1 Euroclass
- Rodent protection fibres, to prevent damage to the optical fibres caused by rodent attack
- Good structure reinforcement using fiberglass, which allows to maintain its traction without the need for a central guiding wire for resistance
- Low attenuation
- 9/125, ITU-T G.657.A2 fiber type
- Coating diameter adapted to the fiber: 900 µm
- LSFH sheath, UV-resistant, black colour

Technical specifications

Ref. 232002

Euroclass		Dca
Euroclass: Smoke Production		s2
Euroclass: Flaming droplets		d0
Euroclass: Acidity		a1
Number of fibers		2
Fiber core type		Single-mode (ITU-T-G.657.A2)
Optical fiber type category		OS1
Fiber core Diameter	µm	9
Fiber cladding Diameter	µm	125
Coating buffer Diameter	µm	250
Cable structure		Tight buffer
Plastic buffer diameter	in	0.035
Outer sheath Diameter	in	0.189
Outer sheath Material		LSFH, UV-resistant
Blocking jelly		No
Moisture protection		Water-blocking yarns
Optical fiber attenuation: 1310nm	dB/km	< 0.4
Optical fiber attenuation: 1490nm	dB/km	< 0.4
Optical fiber attenuation: 1550nm	dB/km	< 0.3
Short tension	N	1200
Structure reinforcement element		Glass Yarns
Rodent protection		Glass Yarns
Short crush (@100mm)	N	1000
Minimum bending radius	in	1.89
Operating temperature	°F	-4 ... 158