



FK48 Multi-fiber Cable Single-Mode 48 fibers, Dca Euroclass and UV- resistant LSFH, indoor/outdoor, with rodent protection

48-fiber cable with UV-resistant LSFH sheath for indoor and outdoor installation. Divided into 6 micro-modules of 8 fibers each, each with its own LSFH sheath and a different 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 biting the cable without damaging the fiber. This protection method offers the following advantages compared to metallic protection:

- 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, 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 gel in each micromodule,

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 reference 231724 is supplied per metre.

Ref.	231725
Logical ref.	OSK48-2000NGT
EAN13	8424450329412

Other features

Colour	Orange
Length	2.00 km

Packaging info

Reel	2000 m
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Physical data

Net weight	57.00 g
Gross volume	0.13 dm ³
Gross weight	57.00 g
Width	8.00 mm
Height	1,000.00 mm
Depth	8.00 mm
Main product weight	57.00 g

Highlights

- Dca-s2,d2,a1 Euroclass
- Low attenuation
- Organized in fiber micro-modules
- Blocking jelly in each micro-module, offering great protection against water
- Micro-modules protected with water-blocking yarns, providing enhanced resistance against moisture ingress

- 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
- 9/125, ITU-T G.657.A2 fiber type
- UV-resistant LSFH sheath, orange colour

Technical specifications : Ref. 231725

Euroclass		Dca
Euroclass: Smoke Production		s2
Euroclass: Flaming droplets		d2
Euroclass: Acidity		a1
Fiber core type		Single-mode (ITU-T-G.657.A2)
Fiber core diameter	µm	9
Fiber cladding diameter	µm	125
Coating buffer diameter	µm	250
Cable structure		Tight buffer
Plastic buffer diameter	in	0,043
Outer sheath Diameter	in	0,299
Outer sheath Material		LSFH, UV-resistant
Blocking jelly		Yes
Optical fiber attenuation: 1310nm	dB/km	< 0,4
Optical fiber attenuation: 1550nm	dB/km	< 0,3
Long tension	N	1000
Structure reinforcement element		Glass Yarns
Rodent protection		Glass Yarns
Short crush (@100mm)	N	1000
Long crush (@100mm)	N	750
Minimum bending radius	in	29.921
Operating temperature	°F	-40 ... 158