

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. 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 gel in each micromodule and water-blocking yarns in the cable structure, 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.	231724
Logical ref.	OSK48-250NGT
EAN13	8424450329405

Other features	
Colour	Orange

Physical data	
Net weight	57.00 g

Length	1.00 m

Packaging info	
Film	1 m

Gross volume	0.13 dm³
Gross weight	57.00 g
Width	8.00 mm
Height	1,000.00 mm
Depth	8.00 mm
Main product weight	57.00 g

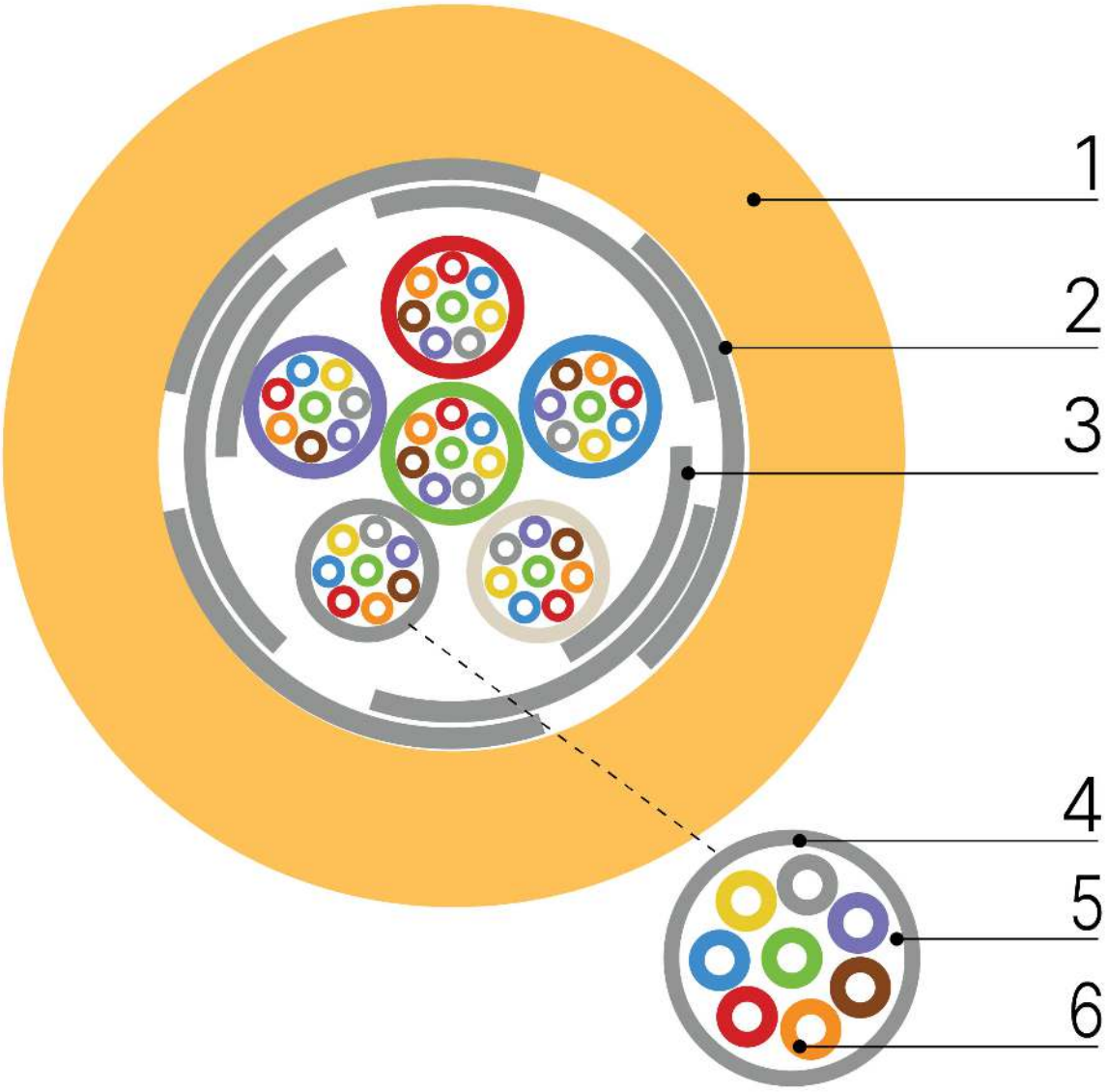
Highlights

- Dca-s2,d2,a1 Euroclass
- Low attenuation
- Organized in fiber micro-modules
- Enhanced protection against water and moisture ingress through blocking jelly inside each micro-module and water-blocking yarns in the cable structure. The jelly acts as a physical barrier, preventing water from spreading inside the micro-modules and protecting the optical fibres, while the water-blocking yarns absorb moisture and limit its propagation through the cable
- 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

Mounting details

DETAILED VIEW OF THE FIBRE SECTION

1. UV-resistant LSFH outer sheath
2. Rodent protection fibres
3. Water-blocking yarns
4. LSFH micro-module
5. Water-blocking jelly
6. Optical fibre


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Technical specifications

Ref. 231724

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
Moisture protection		Blocking jelly / Water-blocking yarns
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	2.992
Operating temperature	°F	-40 ... 158