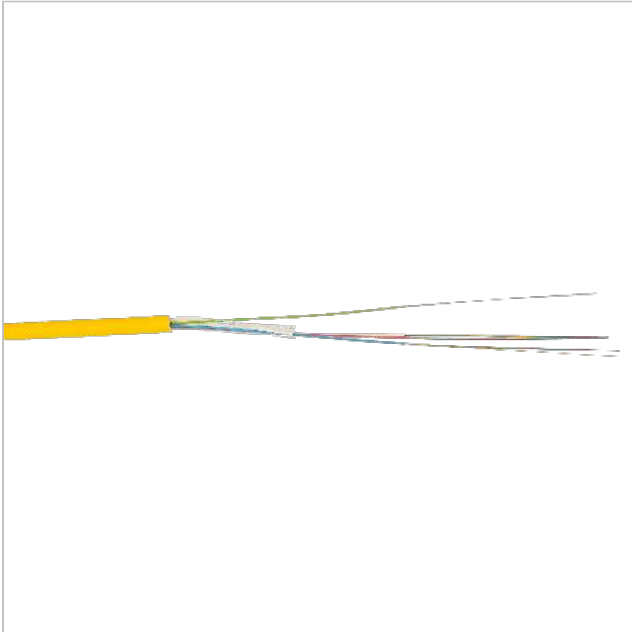




## FK16 Multi-fiber Cable Single-Mode 16 fibers, Dca Euroclass and UV- resistant LSFH, indoor/outdoor, with rodent protection

16-fiber cable with UV-resistant LSFH sheath for indoor and outdoor installation. Divided into 4 micro-modules of 4 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 231424 is supplied per metre.

|                     |               |
|---------------------|---------------|
| <b>Ref.</b>         | 231424        |
| <b>Logical ref.</b> | OSK16-250NGT  |
| <b>EAN13</b>        | 8424450329368 |

## Other features

|               |        |
|---------------|--------|
| <b>Colour</b> | Orange |
| <b>Length</b> | 1.00 m |

## Packaging info

|             |     |
|-------------|-----|
| <b>Film</b> | 1 m |
|-------------|-----|

## Physical data

|                            |                      |
|----------------------------|----------------------|
| <b>Net weight</b>          | 52.00 g              |
| <b>Gross volume</b>        | 0.13 dm <sup>3</sup> |
| <b>Gross weight</b>        | 52.00 g              |
| <b>Width</b>               | 8.00 mm              |
| <b>Height</b>              | 1,000.00 mm          |
| <b>Depth</b>               | 8.00 mm              |
| <b>Main product weight</b> | 52.00 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

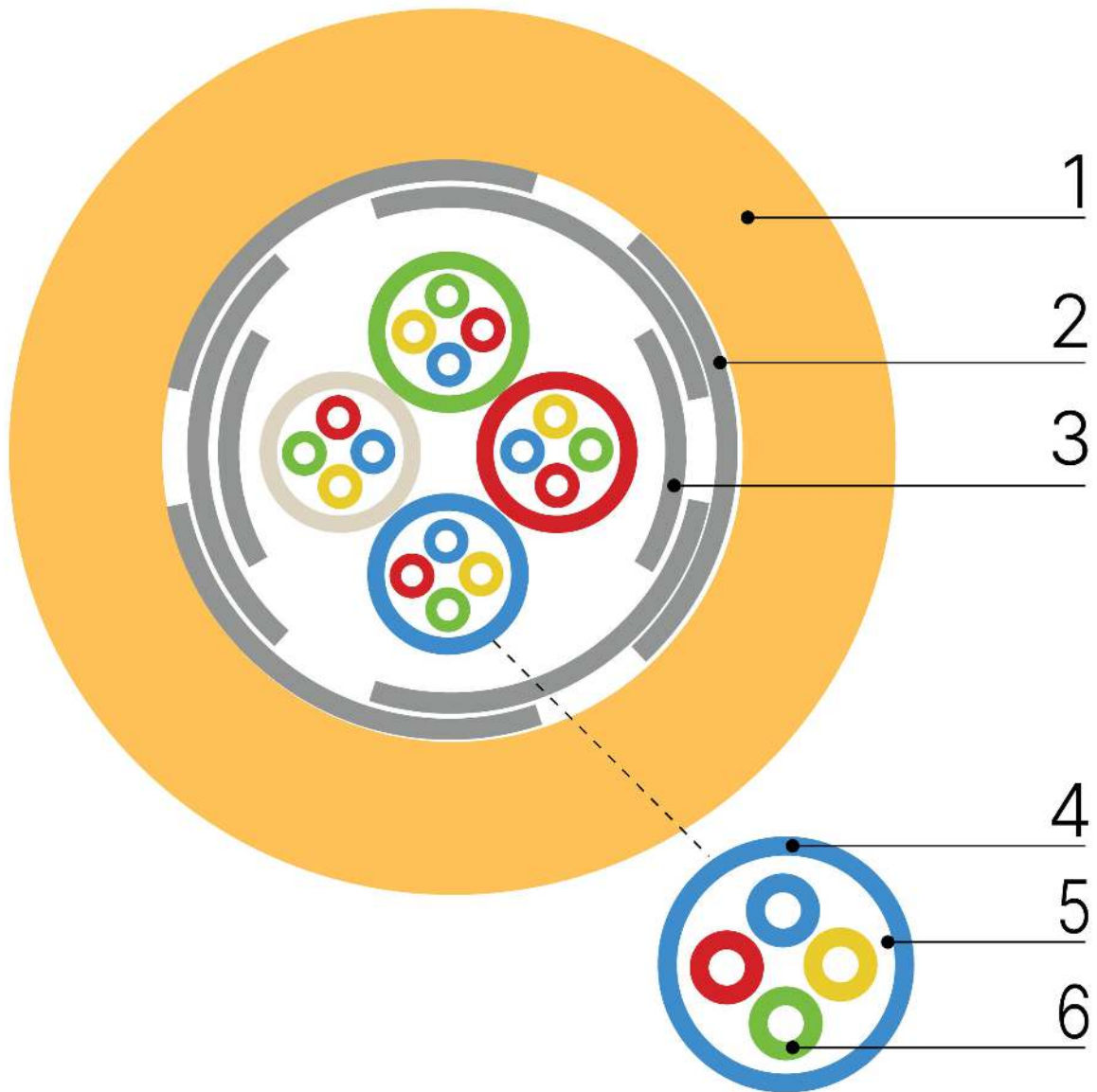
- 9/125, ITU-T G.657.A2 fiber type
- UV-resistant LSFH sheath, orange colour

## Mounting details

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### 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



## Technical specifications : Ref. 231424

|                                   |       |                              |
|-----------------------------------|-------|------------------------------|
| 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                  |