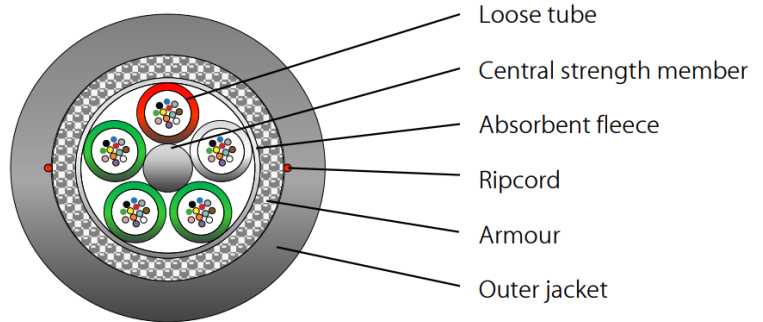


# F-rack

## Loose Tube cable – 48 fibers

### Basic characteristic

- For installation indoor and outdoor, in cable ducts, tubes and also suitable for interconnections.
- Waterproof fiber optic cable with non-metallic rodent protection.
- Good installation through ripcords to open the jacket.



### Colour coding

Color code fibers: blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise.

Color code tubes: counting tube red, counting direction tube white, other tubes yellow (OS2), green (OM4)

### Cable parameters

|                    |                         |                |
|--------------------|-------------------------|----------------|
| Jacket material    | FRNC                    |                |
| Cable construction | Jelly filled loose tube |                |
| Outer diameter     | 48 fibers:              | OD=11,2mm      |
| Weight             | 48 fibers:              | 130 kg/km      |
| Fire load          | 48 fibers:              | 1,7 MJ/m       |
| Temperature range  | operation:              | -40°C to +80°C |
|                    | storage:                | -40°C to +80°C |
|                    | installation:           | -20°C to +60°C |



## Loose Tube cable – 48 fibers

### Chemical characteristics

No resistance to oil, petrol, acid and leach

### Mechanical characteristics

|                                                               |             |
|---------------------------------------------------------------|-------------|
| Min. Bending radius [mm] - during installation                | 230         |
| Min. Bending radius [mm] - installed                          | 170         |
| Max. tensile force acc. Short term/Long term IEC 60794-1-2 E1 | 5000/1600 N |
| Max. crush resistance acc. IEC 60794-1-2 E3, long term        | 3000 N/dm   |

### Fire performance

|                                 |                              |
|---------------------------------|------------------------------|
| Cable is flame retardant        | acc. to IEC 60332-1-2        |
| Cable is flame retardant        | acc. to IEC 60332-3-22 Cat.A |
| Smoke density                   | acc. to IEC 61034            |
| Halogen-free                    | acc. to IEC 60754-1          |
| Acidity of the combustion gases | acc. to IEC 60754-2          |

### Construction Products Regulation

| Fibers | Fire Class |
|--------|------------|
| 48     | Eca        |

| Ordering code     | Inkjet print                                                                                                   | Jacket colour |
|-------------------|----------------------------------------------------------------------------------------------------------------|---------------|
| LT-48-OS2-11.2-YE | LEONI - FiberConnect® U-DQ(ZN)BH nxm fiber type Eca DoP:CDERF0000014 (Reel No.), (sequential length in meters) | Yellow        |
| LT-48-OM4-11.2-MA | LEONI - FiberConnect® U-DQ(ZN)BH nxm fiber type Eca DoP:CDERF0000014 (Reel No.), (sequential length in meters) | Magenta       |
| LT-48-OS2-11.2-YE | LEONI - FiberConnect® U-DQ(ZN)BH nxm fiber type Eca DoP:CDERF0000014 (Reel No.), (sequential length in meters) | Yellow        |
| LT-48-OM4-11.2-MA | LEONI - FiberConnect® U-DQ(ZN)BH nxm fiber type Eca DoP:CDERF0000014 (Reel No.), (sequential length in meters) | Magenta       |

\* Specifications are subject to change without notice

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