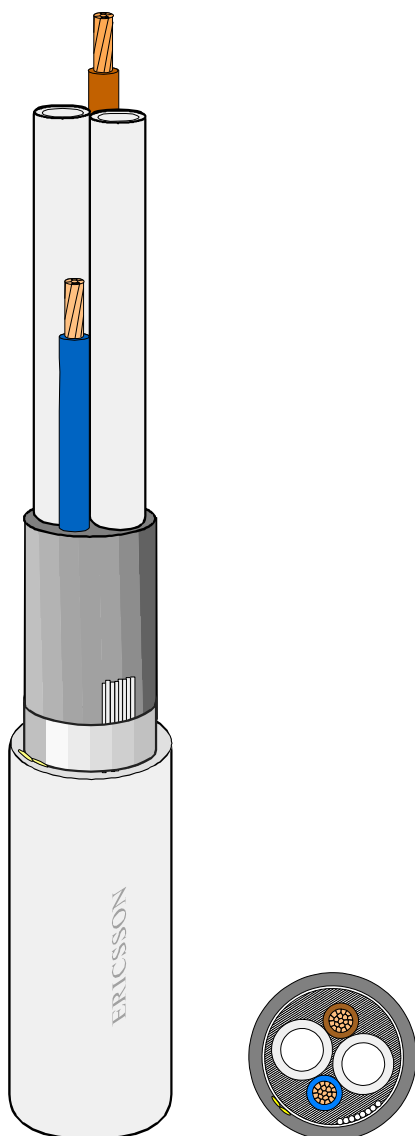


FKLK 2x1.5 +2 OPTO

Design SS 4240219-4 in applicable parts**FKLK +O****Conductor**

Stranded, annealed copper wires according to IEC60228, class 5.

Insulation

PVC, brown and blue, dimension according to product list.

Microduct

2 microducts of HDPE with inner diameter 3.5 mm and outer diameter 5 mm.

Stranding

Twisted conductors and ducts

Filler

PVC

Secondary conductor / Screen

Annealed copper wires with cross section 1.5 mm² and a longitudinal applied aluminium foil. The secondary conductor is in contact with the aluminium foil after the entire length.

Sheath

Aluminium foil covered with LLD-PE.

Alternative:

Aluminium foil covered with LD-PE and an outer sheath of PVC

Application

Integrated power/optic cable especially suitable for new constructions or renovations where both cost effectiveness and a secure optical fibre connection either today or within the foreseeable future is a priority. Works perfectly combined with other products from the fibre to the home range according to the Ribbonet® concept.

For permanent installation inside or outside, also in ground, if protected against mechanical damage e.g. in ducts.

Technical data

FKLK +O

| Design | 2 x 1,5 | 2 x 2,5 |
|--|----------------------|---------|
| Nominal conductor cross-section (mm ²) | 1,5 | |
| Conductor diameter (mm) | 1,6 | |
| Nominal screen cross-section (mm ²) | 1,5 (Cu) + 6 (Al) | |
| Nominal insulation thickness (mm) | 0,7 | |
| Nominal sheath thickness (mm) | 1,5 | |
| Outer diameter (mm) | 10,5 | |
| Weight per 100 meter (kg) | 15,5 | |

Electrical

| | |
|--|---------|
| Nominal voltage U ₀ /U (kV) | 450/750 |
| Conductor resistance max, at 20°C (Ω/km) | 12,1 |

Mechanical

| | |
|------------------------|-----|
| Minimum bending radius | |
| at fixed position (mm) | 50 |
| at laying (mm) | 90 |
| Maximum pulling force | |
| over outer sheath (N) | 274 |

Thermal

| | |
|------------------------------------|-----|
| Minimum temperature at laying (°C) | -10 |
| Maximum conductor temperature (°C) | 70 |

Fire resistance

| | |
|----------------------|------------------|
| - with LLD PE sheath | IEC60332-1 |
| - With PVC sheath | IEC60332-3 cat C |

Ordering Information

FKLK +O

| Conductors | | Del.length | | Total weight |
|---------------------------|-------------|------------|------|--------------|
| x size (mm ²) | Part no. | (m) | Drum | (kg) |
| 2 x 1,5 | TFK 710 222 | 500 | | |
| 2 x 2,5 | | 500 | | |