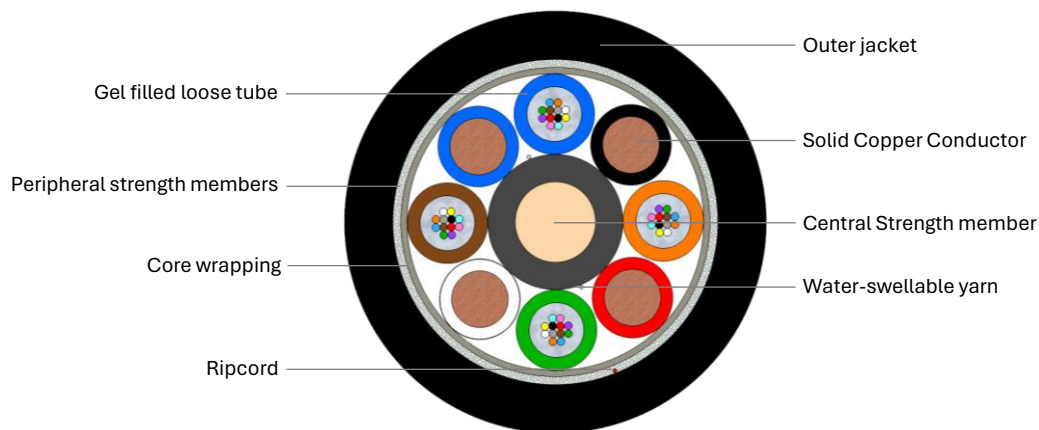


Hybrid Copper/Fiber Cable 2-48F + 2.5 mm² (IC)

Hybrid copper/fiber cable allows to power devices (cameras, sensors, etc.) and at the same time data transmission via optical fibers in one cable.



| | |
|-----------------------------|---|
| Fibre Type | G.652.D, G.657.A1, G.657.A2, G.655, OM1, OM2, OM3, OM4, OM5 |
| Fibre colour | Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua |
| Tube colour | Blue, Orange, Green, Brown |
| Copper conductor | Solid copper wire 2.5 mm ² , HDPE insulation |
| Copper conductor colour | Black, Red, White, Blue |
| Central strength member | FRP rod (coated if necessary) |
| Core wrapping | Water-swellable tape |
| Peripheral strength members | Water-swellable glass yarns |
| Ripcord | 1x under outer jacket |
| Outer jacket material | UV resistant black HDPE |
| Outer jacket thickness | 1.5 mm |

| | | | | | | | | |
|-------------------------------------|------|------|------|------------|------|------|--|----------------------|
| Number of fibres | 12 | 12 | 24 | 24 | 48 | 48 | | |
| Number of fibres in tube | 12 | 12 | 12 | 12 | 12 | 12 | | |
| Tube count | 1 | 1 | 2 | 2 | 4 | 4 | | |
| Copper conductor count | 2 | 4 | 2 | 4 | 2 | 4 | | |
| Filler count | 2 | 0 | 1 | 0 | 0 | 0 | | |
| Nominal outer diameter (mm) | 10.6 | 10.6 | 10.6 | 11.7 | 11.7 | 13.1 | | |
| Calc. cable weight (kg/km) | 121 | 161 | 123 | 174 | 138 | 203 | | |
| Short-term tensile strength (N) | 2600 | 2600 | 2600 | 3000 | 3000 | 3300 | | IEC 60794-1-101 |
| Long-term tensile strength (N) | 1200 | 1200 | 1200 | 1700 | 1700 | 2200 | | IEC 60794-1-101 |
| Crush resistance (N/100 mm) | | | | 2000 | | | | IEC 60794-1-103 |
| Max. impact loading (Nm) | | | | 10 | | | | IEC 60794-1-104 |
| Min. bend radius not load (OD) | | | | 15 | | | | IEC 60794-1-111 |
| Min. bend radius load (OD) | | | | 20 | | | | IEC 60794-1-111 |
| Operating temperature range (°C) | | | | -40 to +70 | | | | IEC 60794-1-201 |
| Storage temperature range (°C) | | | | -40 to +70 | | | | IEC 60794-1-201 |
| Installation temperature range (°C) | | | | -15 to +50 | | | | IEC 60794-1-201 |
| Water tightness (1 m / 24 hrs.) | | | | No leakage | | | | IEC 60794-1-205 |
| Class of fire reaction | | | | Fca | | | | EN 50575, EN 13501-6 |
| Testing voltage (kV) | | | | 2 | | | | |
| Resistance (Ohm/km at 20°C) | | | | 24.5 | | | | |

| Number of Fibers | Number of conductors | Cable Code (Ordering Code) | Delivery length | Packing |
|------------------|----------------------|---|---------------------------|-------------------|
| 12 | 2 | OPK-O-HCLTS-12(5x2.5)LTGEP+2x2.5mm2-xx-BK | 2100 m ± 5% , 4200 m ± 5% | Solid wooden drum |
| 12 | 4 | OPK-O-HCLTS-12(5x2.5)LTGEP+4x2.5mm2-xx-BK | 2100 m ± 5% , 4200 m ± 5% | Solid wooden drum |
| 24 | 2 | OPK-O-HCLTS-24(5x2.5)LTGEP+2x2.5mm2-xx-BK | 2100 m ± 5% , 4200 m ± 5% | Solid wooden drum |
| 24 | 4 | OPK-O-HCLTS-24(6x2.5)LTGEP+4x2.5mm2-xx-BK | 2100 m ± 5% , 4200 m ± 5% | Solid wooden drum |
| 48 | 2 | OPK-O-HCLTS-48(6x2.5)LTGEP+2x2.5mm2-xx-BK | 2100 m ± 5% , 4200 m ± 5% | Solid wooden drum |
| 48 | 4 | OPK-O-HCLTS-48(8x2.5)LTGEP+4x2.5mm2-xx-BK | 2100 m ± 5% , 4200 m ± 5% | Solid wooden drum |

xx – fibre type (see Cable code datasheet)

Print legend: Manufacturer - Cable type – lot number- length marking per 1 m (customer print legend available on request)

Note: Cable marking using the Hot-foil method is done in white. If overprinting is necessary, the color of the text is yellow.