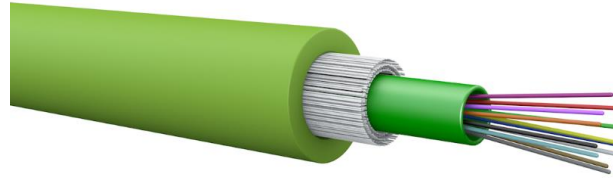


OceanLine™ OLF 04

Central Loose Tube Cable for Marine Application



Application and installation

Universal optical cable for lighter industrial, shipboard, and oil & gas applications, for mixed indoor and limited outdoor installation.

The cable is water-blocked and well suited for installation in ducts and on trays indoor and limited outdoor use in ducts.

Standards

IEC 60332-1-2; IEC 60332-3-24; IEC 60754-2; IEC 61034-1/2

Construction

| | | | |
|----------------------------------|--|-----------|--------------------------------|
| Loose tube | Ø2.8 mm, green, gel-filled loose tube for 2-24 Fibres | | |
| Fibre colour code | 1 | Red | 13 Red w/mark every 70mm |
| | 2 | Green | 14 Green w/mark every 70mm |
| | 3 | Blue | 15 Blue w/mark every 70mm |
| | 4 | Yellow | 16 Yellow w/mark every 70mm |
| | 5 | White | 17 White w/mark every 70mm |
| | 6 | Grey | 18 Grey w/mark every 70mm |
| | 7 | Brown | 19 Brown w/mark every 70mm |
| | 8 | Violet | 20 Violet w/mark every 70mm |
| | 9 | Turquoise | 21 Turquoise w/mark every 70mm |
| | 10 | Black | 22 White w/mark every 35mm |
| | 11 | Orange | 23 Orange w/mark every 70mm |
| | 12 | Pink | 24 Pink w/mark every 70mm |
| Strength member & Water-blocking | Water-blocking Glass yarns | | |
| Cable Sheath colours | Cable with SM fibres: BendBright ^{XS} G.657.A2, BendBright G.657.A1 | | Yellow, RAL 1018 |
| | Cable with OM1 | | Grey, RAL 7037 |
| | Cable with MaxCap-BendBright-OM2 | | Orange, RAL 2009 |
| | Cable with MaxCap-BendBright-OM3 | | Aqua, RAL 6027 |
| | Cable with MaxCap-BendBright-OM4 | | Erika-Violet, RAL 4003 |
| | Cable with BendBright WideCap-OM5 | | Lime-Green, RAL 6039 |
| Sheath | 1.5 mm, LSHF-FR sheath, SHF1 | | |
| Sheath marking | Draka Oceanline OLF 04 LSHF-FR <Fibre count> <Fibre type><Fibre brand><Item No><Factory Code><Batch Number><Meter mark> U-DQ(ZN)BH <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class> | | |

OceanLine™ OLF 04

Physical properties

IEC 60794-1-21/22

| | | |
|---|-----|---|
| Nominal outer diameter | - | 2 - 24 fibres: 7.5 mm |
| Nominal weight | - | 2 - 24 fibres: 73 kg/km |
| Tensile strength (dynamic) | E1 | 3000 N (fibre strain ≤ 0.6%) |
| Tensile strength (permanent) | E1 | 1000 N (fibre strain ≤ 0.2%) |
| Compressive strength (crush) | E3 | 3000 N / 100 mm ($\Delta\alpha$ reversible) 1500 N / 100 mm (no attenuation change) |
| Torsion | E7 | 5 cycles ± 1 turn |
| Impact | E4 | 20 J (striking surface r=300 mm) 5 J (striking surface r=12.5 mm) |
| Kink | E10 | The cables do not form a kink when a loop is drawn together to a diameter of 75 mm |
| Min. permanent bending radius (unloaded) | E11 | 75 mm (> -20°C temperatures) |
| Min. installation bending radius (loaded) | - | 150 mm |
| Temperature range | F1 | -20°C to +60°C |
| Water penetration | F5B | No water on free end |

OceanLine™ OLF 04

Product codes – ordering information

| Product Code | Product Description | Fibre Count | Fibre Type | Fibre Data Sheet |
|--------------|--|-------------|---------------------------------------|------------------|
| | OL I/O CT LSHF-FR C 3 kN 4 OM3B AQ | 4 | MaxCap-BB-OM3 | C31 |
| | OL I/O CT LSHF-FR C 3 kN 6 OM3B AQ | 6 | MaxCap-BB-OM3 | C31 |
| | OL I/O CT LSHF-FR C 3 kN 8 OM3B AQ | 8 | MaxCap-BB-OM3 | C31 |
| 60106682 | OL I/O CT LSHF-FR C 3 kN 12 OM3B AQ | 12 | MaxCap-BB-OM3 | C31 |
| | OL I/O CT LSHF-FR C 3 kN 24 OM3B AQ | 24 | MaxCap-BB-OM3 | C31 |
| | OL I/O CT LSHF-FR C 3 kN 4 OM4B 4003 | 4 | MaxCap-BB-OM4 | C32 |
| | OL I/O CT LSHF-FR C 3 kN 6 OM4B 4003 | 6 | MaxCap-BB-OM4 | C32 |
| | OL I/O CT LSHF-FR C 3 kN 8 OM4B 4003 | 8 | MaxCap-BB-OM4 | C32 |
| | OL I/O CT LSHF-FR C 3 kN 12 OM4B 4003 | 12 | MaxCap-BB-OM4 | C32 |
| | OL I/O CT LSHF-FR C 3 kN 24 OM4B 4003 | 24 | MaxCap-BB-OM4 | C32 |
| | OL I/O CT LSHF-FR C 3 kN 4 OM5B LG | 4 | WideCap-OM5 | C39 |
| | OL I/O CT LSHF-FR C 3 kN 6 OM5B LG | 6 | WideCap-OM5 | C39 |
| | OL I/O CT LSHF-FR C 3 kN 8 OM5B LG | 8 | WideCap-OM5 | C39 |
| | OL I/O CT LSHF-FR C 3 kN 12 OM5B LG | 12 | WideCap-OM5 | C39 |
| | OL I/O CT LSHF-FR C 3 kN 24 OM5B LG | 24 | WideCap-OM5 | C39 |
| | OL I/O CT LSHF-FR C 3 kN 4 SM2D/A1 YL | 4 | OS2 BendBright G.657.A1 | C17 |
| | OL I/O CT LSHF-FR C 3 kN 6 SM2D/A1 YL | 6 | OS2 BendBright G.657.A1 | C17 |
| | OL I/O CT LSHF-FR C 3 kN 8 SM2D/A1 YL | 8 | OS2 BendBright G.657.A1 | C17 |
| 60106683 | OL I/O CT LSHF-FR C 3 kN 12 SM2D/A1 YL | 12 | OS2 BendBright G.657.A1 | C17 |
| | OL I/O CT LSHF-FR C 3 kN 24 SM2D/A1 YL | 24 | OS2 BendBright G.657.A1 | C17 |
| | OL I/O CT LSHF-FR C 3 kN 4 SM7A2 YL | 4 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | OL I/O CT LSHF-FR C 3 kN 6 SM7A2 YL | 6 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | OL I/O CT LSHF-FR C 3 kN 8 SM7A2 YL | 8 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | OL I/O CT LSHF-FR C 3 kN 12 SM7A2 YL | 12 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | OL I/O CT LSHF-FR C 3 kN 24 SM7A2 YL | 24 | OS2 BendBright ^{XS} G.657.A2 | C24 |

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