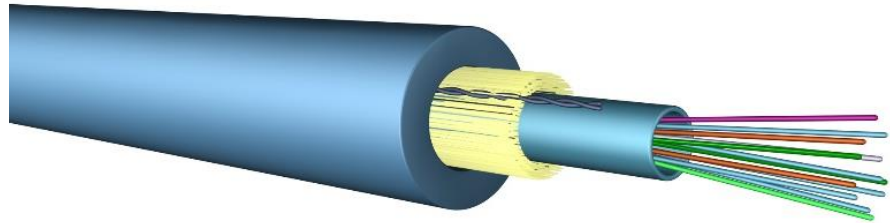
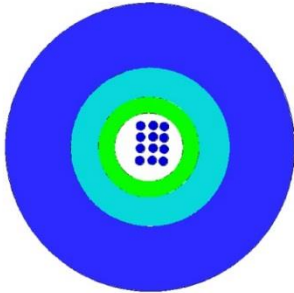


E10a: UC^{FIBRE™} Universal Central Tube Cable

3000N central tube cable with up to 24 fibres, glass elements and FireBur® sheath, VDE: U-DQ(ZN)BH



Eca
CPR

Application and installation

This cable can be used for LAN and WAN backbones, telecom access lines, fibre to business and fibre to the building drop connections as well as fibre to the home drop and access connections.

With its FireBur® LSHF sheathing this cable is ideal for mixed indoor and outdoor installation.

This cable features a high tensile strength and a degree of rodent protection, effective in many cases.

It is equally suited for installation in ducts and on trays. The cable may be used for direct burial with proper sand back filling.

Standards

ISO 11801-1, EN 50173-1:2002, IEC 60794-1

Flame resistance

LSHF (LSOH): IEC 60332-1-2, IEC 60754-1, IEC 60754-2, IEC 61034-2; Class E_{ca}

Construction

| | | | |
|-------------------|--|-----------|--------------------------------|
| Loose tube | ø2.8 mm gel-filled loose tube with 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-blocked E-Glass fibre elements | | |
| Sheath | 1.5 mm blue FireBur® sheath, UV stabilised, IEC 50290-2-27 | | |
| Sheath marking | Draka UC ^{FIBRE} I/O CT LSHF 3.0 kN <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 | | |

E10a: UC^{FIBRE}™ Universal Central Tube Cable

Physical Properties

| Attribute | IEC 60794-1-21/22 Method | Limits |
|--|--------------------------|--|
| Nominal outer diameter | - | 2 - 24 fibres: 7.3 mm |
| Nominal weight | - | 2 - 24 fibres: 55 kg/km |
| Maximum installation tensile strength | E1 | 3000 N (fibre strain ≤ 0.6%) |
| Permanent tensile strength | E1 | 1000 N (fibre strain ≤ 0.2%) |
| Compressive strength (crush) | E3 | 3500 N / 100mm |
| Impact | E4 | 20 Nm (no attenuation change, no broken cable elements) |
| Torsion | E7 | 5 cycles ± 1 turn |
| Kink | E10 | The cables do not form a kink when a loop is drawn together to a diameter of 200 mm |
| Min. bending radius, unloaded (permanent) | E11 | R = 73 mm |
| Min. bending radius, loaded (installation) | - | R = 146 mm |
| Temperature range | F1 | Storage: -40°C to +60°C (short term up to 70 °C) Installation: -15°C to +40°C Operation: -30°C to +70°C. |
| Water penetration | F5B | No water on free end |
| Heath of combustion | - | 2 - 24 fibres: 1100 MJ/km = 0,31 kWh/m |

Product Codes

| Product Code | DoP Number* | Product Description | Fibre Count | Fibre Type | Fibre Data Sheet |
|--------------|-------------|---|-------------|---------------|------------------|
| 60011391 | 1003976 | UC ^{FIBRE} I/O CT LSHF 3kN 4 OM2B | 4 | MaxCap-BB-OM2 | C34 |
| 60011393 | 1003977 | UC ^{FIBRE} I/O CT LSHF 3kN 6 OM2B | 6 | MaxCap-BB-OM2 | C34 |
| 60011379 | 1003974 | UC ^{FIBRE} I/O CT LSHF 3kN 8 OM2B | 8 | MaxCap-BB-OM2 | C34 |
| 60011395 | 1003978 | UC ^{FIBRE} I/O CT LSHF 3kN 12 OM2B | 12 | MaxCap-BB-OM2 | C34 |
| 60019423 | | UC ^{FIBRE} I/O CT LSHF 3kN 16 OM2B | 16 | MaxCap-BB-OM2 | C34 |
| 60073056 | 1008132 | UC ^{FIBRE} I/O CT LSHF 3kN 24 OM2B | 24 | MaxCap-BB-OM2 | C34 |
| 60011297 | 1003946 | UC ^{FIBRE} I/O CT LSHF 3kN 4 OM3B | 4 | MaxCap-BB-OM3 | C31 |
| 60026796 | 1004791 | UC ^{FIBRE} I/O CT LSHF 3kN 6 OM3B | 6 | MaxCap-BB-OM3 | C31 |
| 60011301 | 1003948 | UC ^{FIBRE} I/O CT LSHF 3kN 8 OM3B | 8 | MaxCap-BB-OM3 | C31 |
| 60011342 | 1003970 | UC ^{FIBRE} I/O CT LSHF 3kN 12 OM3B | 12 | MaxCap-BB-OM3 | C31 |
| 60019543 | | UC ^{FIBRE} I/O CT LSHF 3kN 16 OM3B | 16 | MaxCap-BB-OM3 | C31 |
| 60073054 | 1008130 | UC ^{FIBRE} I/O CT LSHF 3kN 24 OM3B | 24 | MaxCap-BB-OM3 | C31 |
| 60019165 | 1004755 | UC ^{FIBRE} I/O CT LSHF 3kN 4 OM4B | 4 | MaxCap-BB-OM4 | C32 |
| 60019179 | 1004756 | UC ^{FIBRE} I/O CT LSHF 3kN 6 OM4B | 6 | MaxCap-BB-OM4 | C32 |
| 60019875 | 1004775 | UC ^{FIBRE} I/O CT LSHF 3kN 8 OM4B | 8 | MaxCap-BB-OM4 | C32 |
| 60011420 | 1004735 | UC ^{FIBRE} I/O CT LSHF 3kN 12 OM4B | 12 | MaxCap-BB-OM4 | C32 |
| | | UC ^{FIBRE} I/O CT LSHF 3kN 16 OM4B | 16 | MaxCap-BB-OM4 | C32 |
| 60073055 | 1008131 | UC ^{FIBRE} I/O CT LSHF 3kN 24 OM4B | 24 | MaxCap-BB-OM4 | C32 |
| 60060672 | 1004833 | UC ^{FIBRE} I/O CT LSHF 3kN 4 OM5B | 4 | WideCap-OM5 | C39 |
| 60060673 | 1004834 | UC ^{FIBRE} I/O CT LSHF 3kN 8 OM5B | 8 | WideCap-OM5 | C39 |
| 60060674 | 1004835 | UC ^{FIBRE} I/O CT LSHF 3kN 12 OM5B | 12 | WideCap-OM5 | C39 |

E10a: UC^{FIBRE}[™] Universal Central Tube Cable

| | | | | | |
|----------|---------|---|----|---|--------------|
| 60073060 | 1008134 | UC ^{FIBRE} I/O CT LSHF 3kN 16 OM5B | 16 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O CT LSHF 3kN 24 OM5B | 24 | WideCap-OM5 | C39 |
| 60011347 | 1004734 | UC ^{FIBRE} I/O CT LSHF 3kN 4 SM2D | 4 | OS2 G.652.D | C03e |
| 60019357 | 1004760 | UC ^{FIBRE} I/O CT LSHF 3kN 6 SM2D | 6 | OS2 G.652.D | C03e |
| 60011295 | 1004731 | UC ^{FIBRE} I/O CT LSHF 3kN 8 SMD2 | 8 | OS2 G.652.D | C03e |
| 60011299 | 1003947 | UC ^{FIBRE} I/O CT LSHF 3kN 12 SM2D | 12 | OS2 G.652.D | C03e |
| 60046790 | | UC ^{FIBRE} I/O CT LSHF 3kN 16 SM2D | 16 | OS2 G.652.D | C03e |
| 60073057 | 1008133 | UC ^{FIBRE} I/O CT LSHF 3kN 24 SM2D | 24 | OS2 G.652.D | C03e |
| | | UC ^{FIBRE} I/O CT LSHF 3kN 4 SM7A1 | 4 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O CT LSHF 3kN 8 SM7A1 | 8 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O CT LSHF 3kN 12 SM7A1 | 12 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O CT LSHF 3kN 24 SM7A1 | 24 | OS2 BendBright G.657.A1 | C17 |
| 60019486 | 1004767 | UC ^{FIBRE} I/O CT LSHF 3kN 4 SM7B | 4 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| 60064814 | 1004767 | UC ^{FIBRE} I/O CT LSHF 3kN 8 SM7B | 8 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| 60073169 | 1008172 | UC ^{FIBRE} I/O CT LSHF 3kN 24 SM7B | 24 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| 60028993 | | UC ^{FIBRE} I/O CT LSHF 3 kN 4SM2D 8OM3B | 12 | Hybrid 4 x OS2 singlemode + 8 x MaxCap-BB-OM3 multimode | C03e/ C31 |
| | | UC ^{FIBRE} I/O CT LSHF 3 kN 12SM2D 12OM3B | 24 | Hybrid 12 x OS2 singlemode + 12 x MaxCap-BB-OM3 multimode | C03e/ C31 |

*DoP Numbers are per product code and any DoP number proves CPR approval for the cable. DoP files can be downloaded from the website: www.prysmiangroup.com/cpr

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