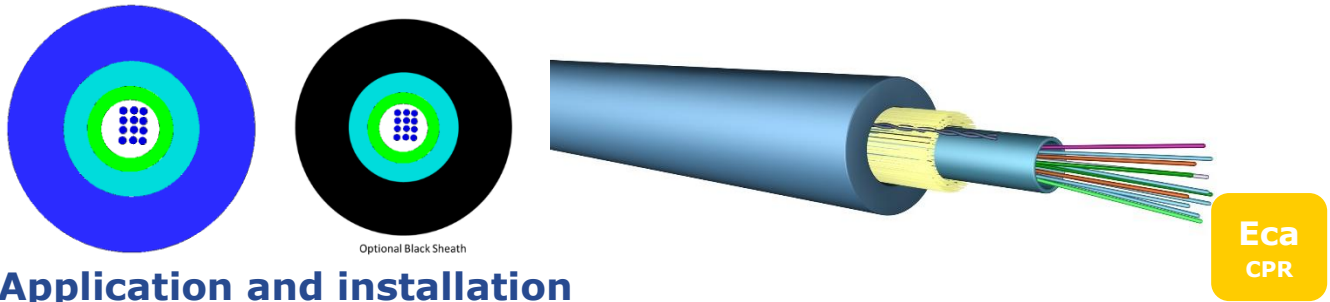


E14a: UC^{FIBRE™} Universal Central Tube Cable

2000N central tube cable with 2-24 fibres, glass elements and FireBur® sheath, VDE U-DQ(ZN)BH



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. It is equally suited for installation in ducts and on trays. It has a degree of rodent protection.

Standards

ISO 11801-1, EN 50173-1:2011, IEC 60794-1

Flame Resistance

LSHF (LSOH): IEC 60332-1-2, IEC 60754-1, IEC 60754-2, IEC 61034-2; Class Eca

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 | 1.0 mm Blue (Black optional) FireBur® sheath, UV stabilised, IEC 50290-2-27 | | | |
| Sheath marking | Draka UC ^{FIBRE} I/O CT LSHF 2.0 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 <Transmission Class> | | | |

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Physical Properties

| Attribute | IEC 60794-1-21/22 Method | Limits |
|--|--------------------------|---|
| Nominal outer diameter | - | 2 - 24 fibres: 5.8 mm |
| Nominal weight | - | 2 - 24 fibres: 40 kg/km |
| Maximum installation tensile strength | E1 | 2000 N (fibre strain ≤ 0.6%) |
| Permanent tensile strength | E1 | 750 N (fibre strain ≤ 0.2%) |
| Compressive strength (crush) | E3 | 2000 N / 100 mm |
| Impact | E4 | 15 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 100 mm |
| Min. bending radius, unloaded (permanent) | E11 | R = 58 mm |
| Min. bending radius, loaded (installation) | - | R = 116 mm |
| Temperature range | F1 | Storage: -40°C to +60°C Installation: -30°C to +40°C Operation: -30°C to +60°C. |
| Water penetration | F5B | No water on free end |
| Heat of combustion | - | 2-24 fibres: 630 MJ/km = 0.18 kWh/m |

Product Codes

| Product Code | DoP Number* | Product Description | Fibre Count | Fibre Type | Fibre Data Sheet |
|--------------|-------------|--|-------------|---------------|------------------|
| 60043938 | 1002435 | UC ^{FIBRE} I/O CT LSHF 2kN 2 OM2B | 2 | MaxCap-BB-OM2 | C34 |
| 60018814 | 1002406 | UC ^{FIBRE} I/O CT LSHF 2kN 4 OM2B | 4 | MaxCap-BB-OM2 | C34 |
| 60018815 | 1002407 | UC ^{FIBRE} I/O CT LSHF 2kN 6 OM2B | 6 | MaxCap-BB-OM2 | C34 |
| 60018780 | 1002401 | UC ^{FIBRE} I/O CT LSHF 2kN 8 OM2B | 8 | MaxCap-BB-OM2 | C34 |
| 60011400 | 1002397 | UC ^{FIBRE} I/O CT LSHF 2kN 12 OM2B | 12 | MaxCap-BB-OM2 | C34 |
| 60073246 | 1008123 | UC ^{FIBRE} I/O CT LSHF 2kN 24 OM2B | 24 | MaxCap-BB-OM2 | C34 |
| 60019958 | 1002415 | UC ^{FIBRE} I/O CT LSHF 2kN 4 OM2B BK | 4 | MaxCap-BB-OM2 | C34 |
| 60019959 | 1007110 | UC ^{FIBRE} I/O CT LSHF 2kN 8 OM2B BK | 8 | MaxCap-BB-OM2 | C34 |
| 60029781 | 1002397 | UC ^{FIBRE} I/O CT LSHF 2kN 12 OM2B BK | 12 | MaxCap-BB-OM2 | C34 |
| 60073317 | 1008126 | UC ^{FIBRE} I/O CT LSHF 2kN 24 OM2B BK | 24 | MaxCap-BB-OM2 | C34 |
| 60018863 | | UC ^{FIBRE} I/O CT LSHF 2kN 4 OM3B | 4 | MaxCap-BB-OM3 | C31 |
| 60011320 | | UC ^{FIBRE} I/O CT LSHF 2kN 6 OM3B | 6 | MaxCap-BB-OM3 | C31 |
| 60018784 | 1002402 | UC ^{FIBRE} I/O CT LSHF 2kN 8 OM3B | 8 | MaxCap-BB-OM3 | C31 |
| 60018785 | 1002403 | UC ^{FIBRE} I/O CT LSHF 2kN 12 OM3B | 12 | MaxCap-BB-OM3 | C31 |
| 60019389 | | UC ^{FIBRE} I/O CT LSHF 2kN 16 OM3B | 16 | MaxCap-BB-OM3 | C31 |
| 60073248 | 1008125 | UC ^{FIBRE} I/O CT LSHF 2kN 24 OM3B | 24 | MaxCap-BB-OM3 | C31 |
| 60019960 | 1002416 | UC ^{FIBRE} I/O CT LSHF 2kN 4 OM3B BK | 4 | MaxCap-BB-OM3 | C31 |
| 60019961 | 1004779 | UC ^{FIBRE} I/O CT LSHF 2kN 8 OM3B BK | 8 | MaxCap-BB-OM3 | C31 |
| 60019962 | 1002418 | UC ^{FIBRE} I/O CT LSHF 2kN 12 OM3B BK | 12 | MaxCap-BB-OM3 | C31 |
| 60073155 | 1008272 | UC ^{FIBRE} I/O CT LSHF 2kN 24 OM3B BK | 24 | MaxCap-BB-OM3 | C31 |
| 60019938 | 1002414 | UC ^{FIBRE} I/O CT LSHF 2kN 4 OM4B | 4 | MaxCap-BB-OM4 | C32 |
| 60020010 | 1002420 | UC ^{FIBRE} I/O CT LSHF 2kN 6 OM4B | 6 | MaxCap-BB-OM4 | C32 |
| 60020747 | | UC ^{FIBRE} I/O CT LSHF 2kN 8 OM4B | 8 | MaxCap-BB-OM4 | C32 |

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| | | | | | |
|----------|---------|--|----|--|------------|
| 60019481 | 1002411 | UC ^{FIBRE} I/O CT LSHF 2kN 12 OM4B | 12 | MaxCap-BB-OM4 | C32 |
| 60073244 | 1008122 | UC ^{FIBRE} I/O CT LSHF 2kN 24 OM4B | 24 | MaxCap-BB-OM4 | C32 |
| 60032535 | 1002428 | UC ^{FIBRE} I/O CT LSHF 2kN 4 OM4B BK | 4 | MaxCap-BB-OM4 | C32 |
| 60020747 | 1002422 | UC ^{FIBRE} I/O CT LSHF 2kN 8 OM4B BK | 8 | MaxCap-BB-OM4 | C32 |
| 60029958 | 1005428 | UC ^{FIBRE} I/O CT LSHF 2kN 12 OM4B BK | 12 | MaxCap-BB-OM4 | C32 |
| 60032388 | 1004361 | UC ^{FIBRE} I/O CT LSHF 2kN 16 OM4B BK | 16 | MaxCap-BB-OM4 | C32 |
| 60073165 | 1008170 | UC ^{FIBRE} I/O CT LSHF 2kN 24 OM4B BK | 24 | MaxCap-BB-OM4 | C32 |
| | | UC ^{FIBRE} I/O CT LSHF 2kN 4 OM5B | 4 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O CT LSHF 2kN 8 OM5B | 8 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O CT LSHF 2kN 12 OM5B | 12 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O CT LSHF 2kN 16 OM5B | 16 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O CT LSHF 2kN 24 OM5B | 24 | WideCap-OM5 | C39 |
| 60019305 | | UC ^{FIBRE} I/O CT LSHF 2kN 2 SM2D | 2 | OS2 G652.D | C03e |
| 60011327 | 1004732 | UC ^{FIBRE} I/O CT LSHF 2kN 4 SM2D | 4 | OS2 G652.D | C03e |
| 60011330 | 1002394 | UC ^{FIBRE} I/O CT LSHF 2kN 6 SM2D | 6 | OS2 G652.D | C03e |
| 60011304 | 1002390 | UC ^{FIBRE} I/O CT LSHF 2kN 8 SM2D | 8 | OS2 G652.D | C03e |
| 60024865 | 1004785 | UC ^{FIBRE} I/O CT LSHF 2kN 12 SM2D | 12 | OS2 G652.D | C03e |
| 60011335 | 1002398 | UC ^{FIBRE} I/O CT LSHF 2kN 16 SM2D | 16 | OS2 G652.D | C03e |
| 60073062 | | UC ^{FIBRE} I/O CT LSHF 2kN 24 SM2D | 24 | OS2 G652.D | C03e |
| 60058208 | 1004812 | UC ^{FIBRE} I/O CT LSHF 2kN 2 SM2D BK | 2 | OS2 G652.D | C03e |
| 60027528 | 1002425 | UC ^{FIBRE} I/O CT LSHF 2kN 4 SM2D BK | 4 | OS2 G652.D | C03e |
| 60026545 | 1002424 | UC ^{FIBRE} I/O CT LSHF 2kN 8 SM2D BK | 8 | OS2 G652.D | C03e |
| 60011334 | 1002434 | UC ^{FIBRE} I/O CT LSHF 2kN 12 SM2D BK | 12 | OS2 G652.D | C03e |
| 60028301 | 1003030 | UC ^{FIBRE} I/O CT LSHF 2kN 16 SM2D BK | 16 | OS2 G652.D | C03e |
| 60073166 | 1008171 | UC ^{FIBRE} I/O CT LSHF 2kN 24 SM2D BK | 24 | OS2 G652.D | C03e |
| 60033658 | | UC ^{FIBRE} I/O CT LSHF 2kN 4 SM7A1 | 4 | BendBright G.657.A1 | C17 |
| 60033659 | 1002429 | UC ^{FIBRE} I/O CT LSHF 2kN 8 SM7A1 | 8 | BendBright G.657.A1 | C17 |
| 60037350 | 1004796 | UC ^{FIBRE} I/O CT LSHF 2kN 12 SM7A1 | 12 | BendBright G.657.A1 | C17 |
| 60073325 | 1008211 | UC ^{FIBRE} I/O CT LSHF 2kN 24 SM7A1 | 24 | BendBright G.657.A1 | C17 |
| 60066411 | | UC ^{FIBRE} I/O CT LSHF 2kN 12 SM7A1 BK | 12 | BendBright G.657.A1 | C17 |
| 60019522 | 1004769 | UC ^{FIBRE} I/O CT LSHF 2kN 4 SM7B | 4 | BendBright ^{XS} G.657.A2 | C24 |
| 60020265 | | UC ^{FIBRE} I/O CT LSHF 2kN 6 SM7B | 6 | BendBright ^{XS} G.657.A2 | C24 |
| 60060409 | 1004830 | UC ^{FIBRE} I/O CT LSHF 2kN 12 SM7B | 12 | BendBright ^{XS} G.657.A2 | C24 |
| 60073264 | | UC ^{FIBRE} I/O CT LSHF 2kN 24 SM7B | 24 | BendBright ^{XS} G.657.A2 | C24 |
| 60020751 | | UC ^{FIBRE} I/O CT LSHF 2kN 16 SM2D/OM3B | 16 | Hybrid 8 OS2 single mode + 8 MaxCap-BB-OM3 | C03 C31 |
| | | UC ^{FIBRE} I/O CT LSHF 2kN 24 SM2D/OM3B | 24 | Hybrid 12 OS2 single mode + 12 MaxCap-BB-OM3 | C03 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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