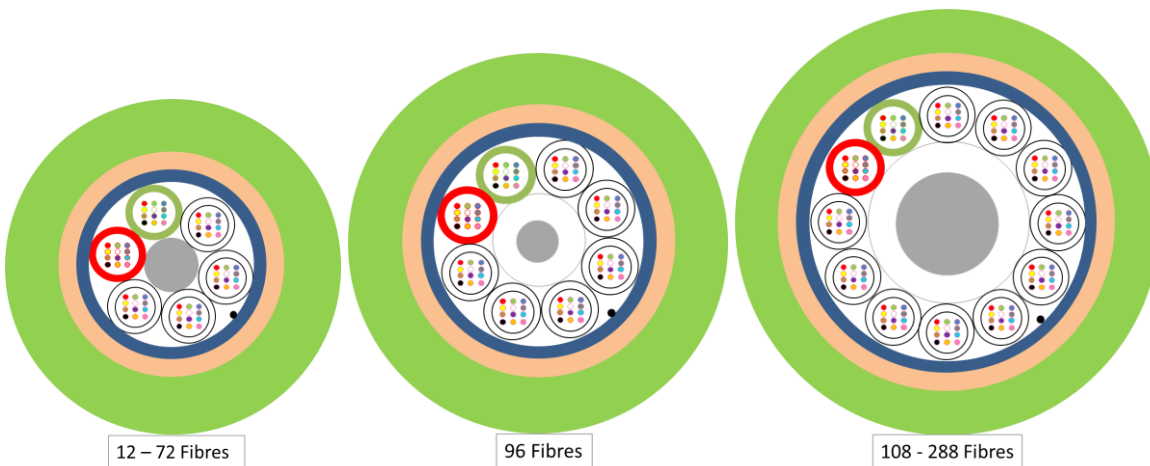
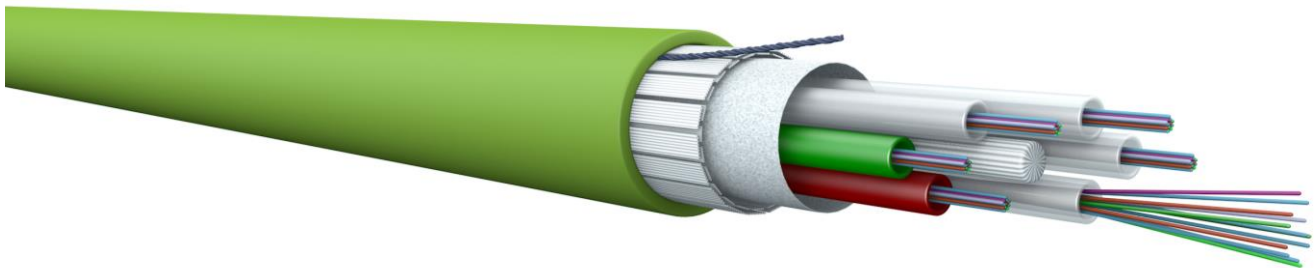


N14: UC^{FIBRE™} Universal Stranded Loose Tube Non-Metallic Gel-Filled Cca 5kN Cable

5000N, universal stranded gel-filled, water-blocked loose tubes, Cca-s1a-d1-a1 non-metallic cable with up to 288 fibres, glass yarns and FireRes® sheath.
VDE: U-DQ(ZN)BH



Application and Installation

Universal indoor/outdoor cable for LAN, MAN and WAN backbones

Degree of rodent protection, effective in many cases

This innovative cable is Class-Cca approved, highly flame retardant with gel-filled tubes and water-blocked characteristics.

With its FireRes® LSHF-FR sheathing this cable is ideal for mixed indoor and limited outdoor installation. It is equally suited for installation in ducts and on trays.

Standards

IEC 60794-1, IEC 60794-2, ISO 11801-1, EN 50173-1, EN 50575

Flame Resistance

LSHF (FRNC): IEC 60332-1-2; IEC 60332-3-24; IEC 60754-2; IEC 61034; EN 50399 Class-Ccas1a-d1-a1, Class Dca; Class Eca

N14: UC^{FIBRE}™ Universal Stranded Loose Tube Non-Metallic Gel-Filled Cca 5kN Cable

Options

As standard this cable is provided with 12 fibres per tube, as an option other lower fibre counts are possible

Construction

| | | | |
|-------------------------|---|------------------------|--|
| Central strength member | ø2.5 mm FRP rod | | |
| Lose tube | For ≤ 144 fibres, ø2.3 mm gel-filled loose tubes, with 12 fibres each For > 144 fibres, ø2.8 mm gel-filled loose tubes, with 24 fibres each for lay-up refer to B04 | | |
| Water blocking | The core is water blocked using swellable tape and tread | | |
| Strength member | Glass yarns with rodent protection | | |
| Ripcord | Polyester ripcord for easy slitting of the sheath | | |
| Sheath | 1.5 mm FireRes® sheath, halogen free, flame retardant, UV stabilised, IEC 50290-2-27 | | |
| Cable Sheath colours | Cable with SM fibres: BendBright ^{XS} G.657.A2, BendBright G.657.A1 | Yellow, RAL 1018 | |
| | Cable with mixed fibre types (hybrid) | Blue, RAL 5015 | |
| | Cable with MaxCap-BendBright-OM3 | Aqua, RAL 6027 | |
| | Cable with MaxCap-BendBright-OM4 | Erika-Violet, RAL 4003 | |
| | Cable with BendBright WideCap-OM5 | Lime-Green | |
| Sheath marking | DRAKA UC ^{FIBRE} I/O ST LSHF-FR Cca-s1a-d1-a1 5.0 kN <Fibre count><Fibre type><Fibre brand> <Item No><Factory No><Batch Number><Meter mark> U-DQ(ZN)BH <Number of Elements> x <Fibre count per element> <Fibre family> <Mode field diameter> /125 <Transmission Class> | | |

Physical Properties

| Attribute | IEC 60794-1-21/22 Method | Limits | | | | | | | |
|---|--------------------------|---|-------|-----------------|-------|-------|-------|--------|--------|
| | | 12 | 24 | 36 | 48 | 72 | 96 | 144 | 288 |
| Fibre count | - | 12 | 24 | 36 | 48 | 72 | 96 | 144 | 288 |
| Fibre distribution | - | 1x12f | 2x12f | 3x12f | 4x12f | 6x12f | 8x12f | 12x12f | 12x24f |
| Nominal diameter [mm] | - | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 12.8 | 15.6 | 18.5 |
| Nominal weight [kg/km] | - | 117 | 120 | 125 | 127 | 137 | 167 | 257 | |
| Short term tensile strength [N] | E1 | 5000 (fibre strain ≤ 0.6%) | | | | | | | |
| Permanent tensile strength [N] | E1 | 1800 (fibre strain ≤ 0.2%) | | | | | | | |
| Crush (compressive strength) [N/100 mm] | E3 | 2500 | | | | | | | |
| Impact [J] | E4 | 20 | | | | | | | |
| Torsion | E7 | 5 cycles ± 1 turn | | | | | | | |
| Kink | E10 | The cables do not form a kink when a loop is drawn together to a diameter 12 times the cable nominal diameter | | | | | | | |
| Minimum Installation bending radius (loaded) [mm] | E18a | 224 | 224 | 224 | 224 | 224 | 256 | 312 | 370 |
| Minimum Permanent bending radius (unloaded) [mm] | E11 | 112 | 112 | 112 | 112 | 112 | 128 | 156 | 185 |
| Temperature range | F1 | Installation | | -40 °C to 70 °C | | | | | |
| | | Operation *) | | -40 °C to 70 °C | | | | | |
| | | Storage | | -40 °C to 70 °C | | | | | |
| Water penetration | F5 | No water on free end | | | | | | | |

*) The cables will operate without any attenuation variation (≤0.05 dB) in the temperature interval -30°C to +60°C. The cables will operate with a maximum attenuation variation of 0.1dB/km in the temperature interval -40°C to +70°C.

N14: UC^{FIBRE}™ Universal Stranded Loose Tube Non-Metallic Gel-Filled Cca 5kN Cable

Product Codes

| Product Code | DoP Number* | Product Description | Fibre Count | Fibre Type | Fibre Data Sheet |
|--------------|-------------|--|-------------|---------------------------------------|------------------|
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 2x12 OM3B AQ | 24 | MaxCap-BB-OM3 | C31 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 4x12 OM3B AQ | 48 | MaxCap-BB-OM3 | C31 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 6x12 OM3B AQ | 72 | MaxCap-BB-OM3 | C31 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 8x12 OM3B AQ | 96 | MaxCap-BB-OM3 | C31 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x12 OM3B AQ | 144 | MaxCap-BB-OM3 | C31 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x24 OM3B AQ | 288 | MaxCap-BB-OM3 | C31 |
| | | | | | |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 2x12 OM4B 4003 | 24 | MaxCap-BB-OM4 | C32 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 3x12 OM4B 4003 | 36 | MaxCap-BB-OM4 | C32 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 4x12 OM4B 4003 | 48 | MaxCap-BB-OM4 | C32 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 6x12 OM4B 4003 | 72 | MaxCap-BB-OM4 | C32 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 8x12 OM4B 4003 | 96 | MaxCap-BB-OM4 | C32 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x12 OM4B 4003 | 144 | MaxCap-BB-OM4 | C32 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x24 OM4B 4003 | 288 | MaxCap-BB-OM4 | C32 |
| | | | | | |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 2x12 OM5B LG | 24 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 3x12 OM5B LG | 36 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 4x12 OM5B LG | 48 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 6x12 OM5B LG | 72 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 8x12 OM5B LG | 96 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x12 OM5B LG | 144 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x24 OM5B LG | 288 | WideCap-OM5 | C39 |
| | | | | | |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 2x12 SM7A1 YL | 24 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 3x12 SM7A1 YL | 36 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 4x12 SM7A1 YL | 48 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 5x12 SM7A1 YL | 60 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 6x12 SM7A1 YL | 72 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 8x12 SM7A1 YL | 96 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x12 SM7A1 YL | 144 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x24 SM7A1 YL | 288 | OS2 BendBright G.657.A1 | C17 |
| | | | | | |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 2x12 SM7B YL | 24 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 3x12 SM7B YL | 36 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 4x12 SM7B YL | 48 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 6x12 SM7B YL | 72 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 8x12 SM7B YL | 96 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x12 SM7B YL | 144 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x24 SM7B YL | 288 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | | | | | |
| 60076618 | 1008663 | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12 SM2D + 12 OM4 BL | 24 | OS2 G.652.D + MaxCap-BB-OM4 | C03 + C32 |
| 60076619 | 1008664 | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 24 SM2D + 24 OM4 BL | 48 | OS2 G.652.D + MaxCap-BB-OM4 | C03 + C32 |
| 60076620 | 1008665 | UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 48 SM2D + 48 OM4 BL | 96 | OS2 G.652.D + MaxCap-BB-OM4 | C03 + C32 |

*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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