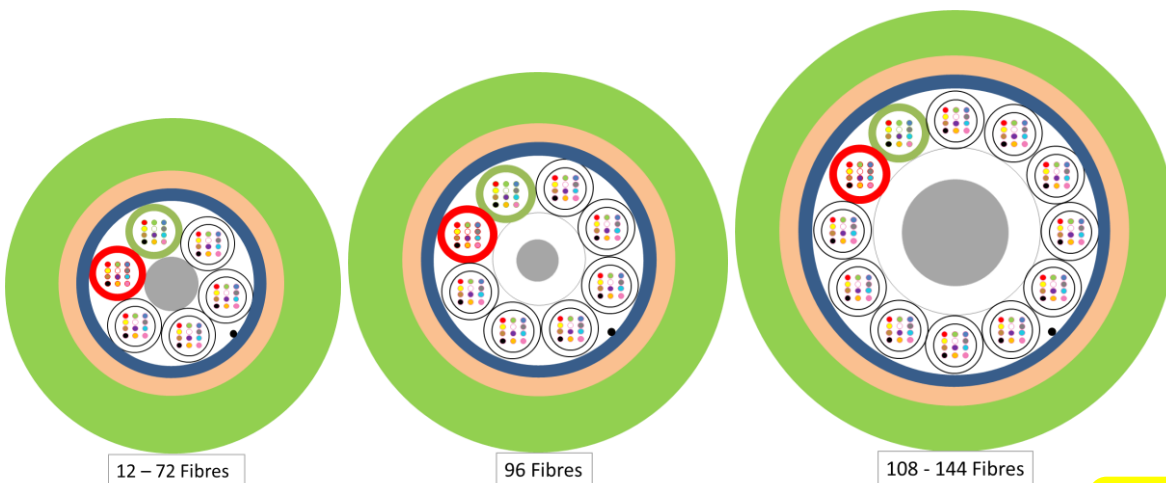
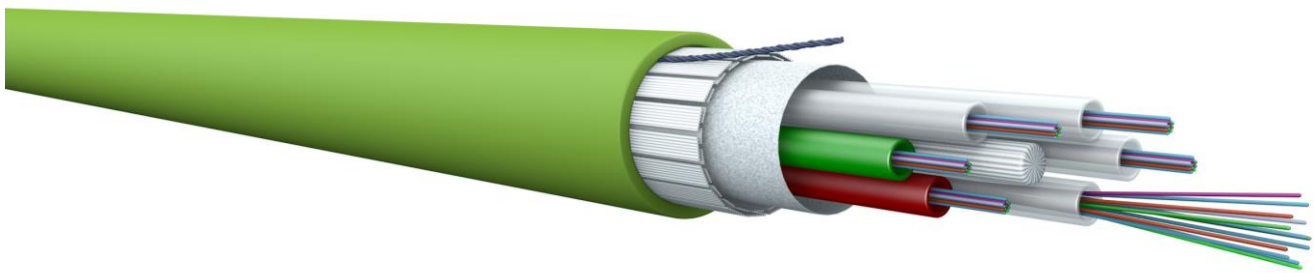


N08: UC^{FIBRE™} Universal Stranded Loose Tube Non-Metallic Gel-Filled Dca 5kN Cable

5000N, universal water-blocked stranded loose tube cable with up to 144 fibres, glass yarn reinforcement and FireRes[®] sheath. VDE: U-DQ(ZN)BH



12 – 72 Fibres

96 Fibres

108 - 144 Fibres



Application and Installation

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

Degree of rodent protection, effective in many cases

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

Flame Resistance

LSHF (FRNC): IEC 60332-1-2; IEC 60332-3-24; IEC 60754-1; IEC 60754-2; IEC 61034; EN 50399 Class D_{ca}s1d1a1; Class E_{ca}

N08: UC^{FIBRE}™ Universal Stranded Loose Tube Non-Metallic Gel-Filled Dca 5kN Cable

Construction

| | | | |
|-------------------------|--|------------------------|--|
| Central strength member | ø2.5 mm FRP rod | | |
| Loose tube | ø2.3 mm gel-filled loose tubes, with up to 12 fibres/tube, up to 12 tubes, for lay-up refer to B04 | | |
| Water blocking | The core is water blocked using swellable tape and tread | | |
| Wrapping | Polyester nonwoven | | |
| Reinforcement | Layer of glass fibre yarns as reinforcement and 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 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 | |
| Sheath marking | DRAKA UC ^{FIBRE} I/O ST LSHF-FR Dca-s1-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 | |
| Fibre count | - | 12 | 24 | 36 | 48 | 72 | 96 | 144 | |
| Fibre Distribution | | 1x12f | 2x12f | 3x12f | 4x12f | 6x12f | 8x12f | 12x12f | |
| Nominal diameter [mm] | - | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 12.8 | 15.6 | |
| Nominal weight [kg/km] | - | 117 | 120 | 125 | 127 | 137 | 167 | 257 | |
| Short term tensile strength (some days) [N] | E1 | 5000 (fibre strain ≤ 0.5%) | | | | | | | |
| Permanent tensile strength [N] | E1 | 2500 (fibre strain ≤ 0.25%) | | | | | | | |
| Crush (compressive strength) [N/100 mm] | E3 | 2500 | | | | | | | |
| Impact [J] | E4 | 15 | | | | | | | |
| 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 12 times the cable nominal diameter | | | | | | | |
| Minimum Installation bending radius (loaded) [mm] | E18a | 224 | 224 | 224 | 224 | 224 | 256 | 312 | |
| Minimum Permanent bending radius (unloaded) [mm] | E11 | 112 | 112 | 112 | 112 | 112 | 128 | 156 | |
| 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.

N08: UC^{FIBRE}™ Universal Stranded Loose Tube Non-Metallic Gel-Filled Dca 5kN Cable

Product Codes

| Product Code | DoP Number* | Product Description | Fibre Count | Fibre Type | Fibre Data Sheet |
|--------------|-------------|--|-------------|---------------------------------------|------------------|
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 1x12 OM3B AQ | 12 | MaxCap-BB-OM3 | C31 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 4x12 OM3B AQ | 48 | MaxCap-BB-OM3 | C31 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 5x12 OM3B AQ | 60 | MaxCap-BB-OM3 | C31 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 6x12 OM3B AQ | 72 | MaxCap-BB-OM3 | C31 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 8x12 OM3B AQ | 96 | MaxCap-BB-OM3 | C31 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 12x12 OM3B AQ | 144 | MaxCap-BB-OM3 | C31 |
| | | | | | |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 3x12 OM4B 4003 | 36 | MaxCap-BB-OM4 | C32 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 4x12 OM4B 4003 | 48 | MaxCap-BB-OM4 | C32 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 6x12 OM4B 4003 | 72 | MaxCap-BB-OM4 | C32 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 8x12 OM4B 4003 | 96 | MaxCap-BB-OM4 | C32 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 12x12 OM4B 4003 | 144 | MaxCap-BB-OM4 | C32 |
| | | | | | |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 3x12 OM5B LG | 36 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 4x12 OM5B LG | 48 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 6x12 OM5B LG | 72 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 8x12 OM5B LG | 96 | WideCap-OM5 | C39 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 12x12 OM5B LG | 144 | WideCap-OM5 | C39 |
| | | | | | |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 1x12 SM7A1 YL | 12 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 2x12 SM7A1 YL | 24 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 3x12 SM7A1 YL | 36 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 4x12 SM7A1 YL | 48 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 5x12 SM7A1 YL | 60 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 6x12 SM7A1 YL | 72 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 8x12 SM7A1 YL | 96 | OS2 BendBright G.657.A1 | C17 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 12x12 SM7A1 YL | 144 | OS2 BendBright G.657.A1 | C17 |
| | | | | | |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 1x12 SM7B YL | 12 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 2x12 SM7B YL | 24 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 3x12 SM7B YL | 36 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 4x12 SM7B YL | 48 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 6x12 SM7B YL | 72 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 8x12 SM7B YL | 96 | OS2 BendBright ^{XS} G.657.A2 | C24 |
| | | UC ^{FIBRE} I/O ST LSHF-FR 5.0kN 12x12 SM7B YL | 144 | OS2 BendBright ^{XS} G.657.A2 | C24 |

*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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