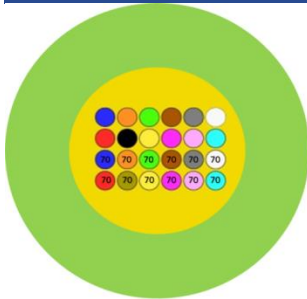


M03: UC^{FUTURE} Patch Cord Style Data Centre Cable

Ø3.6 mm MPO patch cord cable with 24 fibres for data centres



Application

The intended application for this cable is MPO patch cords for data centres.
Fits 24 fibre MPO® and MTP® connectors according to IEC 61754-7-2.

Standards

EN 50173-5, IEC 60794-2-20, ISO/IEC 24764

Flame Resistance

LSHF-FR (FRNC): IEC 60332-1-2; IEC 60332-3-24; IEC 60754-1; IEC 60754-2; IEC 61034; EN 50399 Class D_{ca}-s2-d2-a1; Class E_{ca}

Options

As an option this cable is available with 16 fibres.

Construction

| | | |
|--|---|-----------------------------|
| Fibre | 24 primary coated fibres nominally 250 µm | |
| Fibre colour code According to TIA/EIA 598-C also in agreement with IEC 60304 | 1 Blue | 13 Blue w/mark every 70mm |
| | 2 Orange | 14 Orange w/mark every 70mm |
| | 3 Green | 15 Green w/mark every 70mm |
| | 4 Brown | 16 Brown w/mark every 70mm |
| | 5 Grey | 17 Grey w/mark every 70mm |
| | 6 White | 18 White w/mark every 70mm |
| | 7 Red | 19 Red w/mark every 70mm |
| | 8 Black | 20 White w/mark every 35mm |
| | 9 Yellow | 21 Yellow w/mark every 70mm |
| | 10 Violet | 22 Violet w/mark every 70mm |
| | 11 Pink | 23 Pink w/mark every 70mm |
| | 12 Aqua | 24 Aqua w/mark every 70mm |
| Strength member | Ultra high modulus Aramid yarns | |
| Sheath | FireRes® halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised | |
| Sheath colours | Cable with BendBright ^{XS} SM fibres G.657.A2 | Yellow, RAL 1018 |
| | Cable with MaxCap-BB-OM3 | Aqua, RAL 6027 |
| | Cable with MaxCap-BB-OM4 | Erika-violet RAL 4003 |
| | Cable with BendBright WideCap-OM5 | Lime Green |
| Sheath Printing | DRAKA UCFUTURE FO I LBP M03 LSHF-FR Dca-s2-d2-a1 <Fibre count> <Fibre type><Fibre brand><Item No><Factory No><Batch Number><Meter mark> | |

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Physical Properties

| Property | IEC 60794-1-21/22 method | Value |
|--|--------------------------|---|
| Fibre count | - | 16, 24 |
| Nominal dimensions | - | 3.6 mm +0.1 mm -0.3 mm |
| Nominal weight | - | 11 kg/km |
| Tensile strength (dynamic) | E1 | 450 N (fibre strain ≤ 0.5%) |
| Tensile strength (permanent) | E1 | 225 N (fibre strain ≤ 0.25%) |
| Compressive strength (crush) (N/100mm) | E3 | 500N |
| Impact | E4 | 5 Nm, R= 12.5 mm |
| Torsion | E07 | Pass |
| Kink | E10 | No Kink |
| Min. Bending radius installation | E11 | 36 mm |
| Min. Bending radius permanent | | 72 mm |
| Temperature range | F1 | Operation and installation: 0°C to 50°C Storage: -20°C to 50°C |
| Heat of combustion (calculated) | - | 200 MJ/km 0,5 kWh/m |

Product Codes

| Product Code | DoP Number* | Product Description | Fibre Count | Fibre Type | Fibre Data Sheet |
|--------------|-------------|--|-------------|---|------------------|
| 60019811 | | UC ^{FUTURE} FO I LBP DI LSHF-FR 24 OM3B AQ | 24 | MaxCap-BB-OM3 | C31 |
| | | UC ^{FUTURE} FO I LBP DI LSHF-FR 24 OM4B 4003 | 24 | MaxCap-BB-OM4 | C32 |
| | | UC ^{FUTURE} FO I LBP DI LSHF-FR 24 OM5B LG | 24 | WideCap-OM5 | C39 |
| 60019813 | | UC ^{FUTURE} FO I LBP DI LSHF-FR 24 SM7B YL | 24 | BendBright ^{XS} G.657.A2 | C24 |
| | | UC ^{FUTURE} FO I LBP DI LSHF-FR 24 SM7B.P YL | 24 | BendBright ^{XS} G.657.A2, tight geometry | C25 |
| | | UC ^{FUTURE} FO I LBP DI LSHF-FR 24 SM7A1.P YL | 24 | BendBright ^{XS} G.657.A1, tight geometry | C38 |

*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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