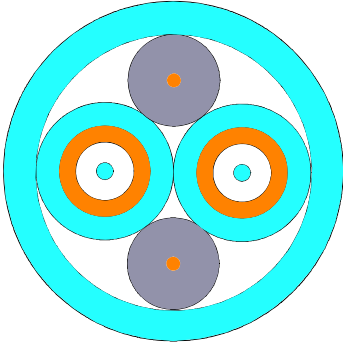


D23: UC^{FIBRE™} 2 fibre break-out cable

Indoor flexible break out cable with 2 ES9 tightly buffered fibres, aramid yarn, FireRes® sheath.
VDE: J-V(ZN)HH 2



Application and installation

Interconnect cabling
LAN horizontal cabling
Patch cord cable
Short distance data-, control- and video transmission
Internal wiring in data centres

Standards

EN 187 000, IEC 60794-2, IEC 60794-2-10, ISO 11801 2nd edition, EN 50 173-1

Flame resistance

LSHF-FR (FRNC): IEC 60332-1-2; IEC 60332-3-24, IEC 60754-2; IEC 61034

Construction

| | | |
|----------------|---|------------------|
| ø2.1 mm unit | ES9 tightly buffered fiber 900 µm ± 50 µm Aramid yarn strength member LSZH sheath, in the same colour as the outer sheath, marked with unit number | |
| 2 units | Stranded together with 2 fillers | |
| Ripcord | Polyester | |
| Sheath colours | Cable with SM fibres | Yellow, RAL 1021 |
| | Cable with MaxCap-BB-OM2 fibres | Orange, RAL 2003 |
| | Cable with M6 fibres | Grey, RAL 7037 |
| | Cable with MaxCap-BB-OM3 and MaxCap-BB-OM4 fibres | Aqua, RAL 6027 |
| Sheath | Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised | |
| Sheath marking | Draka UCFIBRE I B N LSHF-FR ES9 2.1 2 <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> J-V(ZN)HH 2 <Fibre family> <Mode field diameter> /125 <Transmission Class> | |

D23: UC^{FIBRE™} 2 fibre break-out cable

Physical properties

IEC 60974-1-2

| Attribute | Method | Limits |
|---|--------|---|
| Fibre count | | 2 |
| Nominal diameter [mm] | - | 5.5 |
| Nominal weight [kg/km] | - | 30 |
| Maximum installation load (a few hours) [N] | - | - |
| Short term tensile strength (some days) [N] | E1 | 500 |
| Permanent tensile strength [N] | E1 | 250 |
| Impact [J] | E4 | 5, R= 12.5 mm |
| Crush (compressive strength) | E3 | 3000 N/ 100 mm |
| Torsion | E7 | 5 cycles ± 1 turn |
| Minimum bending radius | E11 | 15 mm |
| Minimum bending radius under tension | E18A | - |
| Temperature range | F1 | Operation and installation -20 °C to 60 °C Storage -20 °C to 70 °C |
| Minimum bending radius of the 2.1 mm units | G01 | With standard fibres 20 mm With MaxCap-BB-OMx fibres 7.5 mm With BendBright-XS fibers: 7.5 mm |
| Heat of combustion [MJ/km] – [kW/m] | | 475 0.13 |

Product codes – ordering information

| Prysmian group material code | Prysmian Group material description | Draka Material code | Fibre count | Fibre type | Fibre data sheet |
|------------------------------|-------------------------------------|---------------------|-------------|-------------------------|------------------|
| UC ^{FIBRE} | I B N LSHF-FR ES9 2.1 2 OM2B | | 2 | OM2 MaxCap-BB-OM2 | C34 |
| UC ^{FIBRE} | I B N LSHF-FR ES9 2.1 2 OM3B | | 2 | OM3 MaxCap-BB-OM3 | C31 |
| UC ^{FIBRE} | I B N LSHF-FR ES9 2.1 2 OM4B | | 2 | OM4 MaxCap-BB-OM4 | C32 |
| UC ^{FIBRE} | I B N LSHF-FR ES9 2.1 2 MM62 | | 2 | OM1 62.5/125 multi mode | C02 |
| UC ^{FIBRE} | I B N LSHF-FR ES9 2.1 2 SM2D | | 2 | OS2 single mode | C03 |
| UC ^{FIBRE} | I B N LSHF-FR ES9 2.1 2 SM7B | | 2 | BendBright XS G.657.A2 | C24 |

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