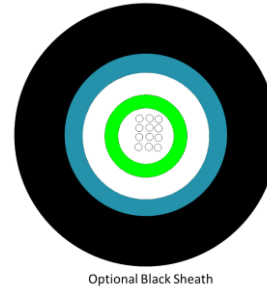
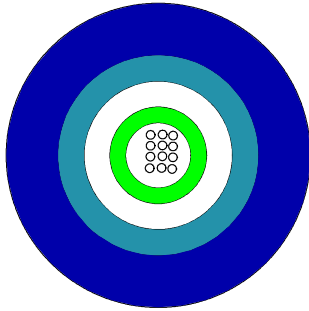


E07a: UC^{FIBRE} Universal Central Tube Cable

1000 N, armoured, central tube cable, up to 24 fibres, glass yarns, steel armouring and FireBur[®] sheath.

DIN/VDE: U-D(ZN)(SR)H



Optional Black Sheath



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[®] sheathing this cable is ideal for indoor/outdoor mixed installation.

The cable, having a corrugated steel tape armouring, is rodent proof.

The cable is well suited for installation in ducts and on trays, indoor as well as outdoor.

The cable is excellent for direct burial with proper sand back filling.

Standards

ISO 11801 2nd edition, EN 50173-1:2002, IEC 60794-1

Flame Resistance

LSHF (LSOH): IEC 60332-1-2, IEC 60754-1, IEC 60754-2, IEC 61034-2, Class E_{ca}

Construction

| | | | | |
|-------------------|---|-----------|----|----------------------------|
| Loose tube | ø2.8 mm gel-filled loose tube with 2 – 16 fibres; ø3.5 mm loose tube with 24 fibres | | | |
| Fibre colour code | 1 | Red | 13 | Yellow w/mark per 70 mm |
| | 2 | Green | 14 | White w/mark per 70 mm |
| | 3 | Blue | 15 | Grey w/mark per 70 mm |
| | 4 | Yellow | 16 | Turquoise w/mark per 70 mm |
| | 5 | White | 17 | Orange w/mark per 70 mm |
| | 6 | Grey | 18 | Pink w/mark per 70 mm |
| | 7 | Brown | 19 | Yellow w/mark per 35 mm |
| | 8 | Violet | 20 | White w/mark per 35 mm |
| | 9 | Turquoise | 21 | Grey w/mark per 35 mm |
| | 10 | Black | 22 | Turquoise w/mark per 35 mm |
| | 11 | Orange | 23 | Orange w/mark per 35 mm |
| | 12 | Pink | 24 | Pink w/mark per 35 mm |
| Strength member | E-Glass yarns | | | |
| Armouring | 0.15 mm corrugated steel tape | | | |
| Sheath | 1.5 mm, Blue (Black optional) FireBur [®] sheath, UV stabilised, EN 50290-2-27 (black is optional) | | | |
| Sheath marking | Draka UC ^{FIBRE} I/O CT CST LSHF 1.0 kN <Fibre count> <Fibre type><Fibre brand><Item No><Factory Code><Batch Number><Meter mark> U-D(ZN)(SR)H <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class> | | | |

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Physical Properties

IEC 60974-1-2

| Attribute | Method | Limits |
|------------------------------|--------|---|
| Nominal outer diameter | - | 2 - 16 fibres: 8.5 mm 24 fibres: 8.5 mm |
| Nominal weight | - | 2 - 16 fibres: 75 kg/km 24 fibres: 85 kg/km |
| Tensile strength (dynamic) | E1 | 1000 N |
| Tensile strength (permanent) | E1 | 500 N |
| Compressive strength (crush) | E3 | 2000 N / 100 mm |
| 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 | E11 | R = 55 mm |
| Temperature range | F1 | Storage and installation: -40°C to +70°C Operation: -40°C to +70°C The max. attenuation variation in the operational temperature range is: For M6 and M5 fibres: 0.5 dB/km For SM fibres: 0.2 dB/km |
| Heat of combustion | | 2-16 fibres: 1200 MJ/km 0.33 kWh/m 24 fibres: 1300 MJ/km 0.36 kWh/m |

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Product Codes

| Product Code | Product Description | Fibre Count | Fibre Type | Fibre Data Sheet |
|--------------|---|-------------|---------------|------------------|
| 60042298 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 OM2B | 4 | MaxCap-BB-OM2 | C34 |
| 60047155 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 6 OM2B | 6 | MaxCap-BB-OM2 | C34 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 OM2B | 8 | MaxCap-BB-OM2 | C34 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 OM2B | 12 | MaxCap-BB-OM2 | C34 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 OM2B | 24 | MaxCap-BB-OM2 | C34 |
| 60026599 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 OM2B BK | 4 | MaxCap-BB-OM2 | C34 |
| 60020527 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 OM2B BK | 8 | MaxCap-BB-OM2 | C34 |
| 60024971 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 OM2B BK | 12 | MaxCap-BB-OM2 | C34 |
| 60024969 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 OM2B BK | 24 | MaxCap-BB-OM2 | C34 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 OM3B | 4 | MaxCap-BB-OM3 | C31 |
| 60020317 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 6 OM3B | 6 | MaxCap-BB-OM3 | C31 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 OM3B | 8 | MaxCap-BB-OM3 | C31 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 OM3B | 12 | MaxCap-BB-OM3 | C31 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 OM3B | 24 | MaxCap-BB-OM3 | C31 |
| 60025024 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 OM3B BK | 4 | MaxCap-BB-OM3 | C31 |
| 60020748 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 OM3B BK | 8 | MaxCap-BB-OM3 | C31 |
| 60020268 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 OM3B BK | 12 | MaxCap-BB-OM3 | C31 |
| 60024972 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 OM3B BK | 24 | MaxCap-BB-OM3 | C31 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 OM4B | 4 | MaxCap-BB-OM4 | C32 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 6 OM4B | 6 | MaxCap-BB-OM4 | C32 |
| 60030797 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 OM4B | 8 | MaxCap-BB-OM4 | C32 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 OM4B | 12 | MaxCap-BB-OM4 | C32 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 OM4B | 24 | MaxCap-BB-OM4 | C32 |
| 60047371 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 OM4B BK | 4 | MaxCap-BB-OM4 | C32 |
| 60032040 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 OM4B BK | 8 | MaxCap-BB-OM4 | C32 |
| 60038327 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 OM4B BK | 12 | MaxCap-BB-OM4 | C32 |
| 60038334 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 16 OM4B BK | 16 | MaxCap-BB-OM4 | C32 |
| 60038344 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 OM4B BK | 24 | MaxCap-BB-OM4 | C32 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 OM5B | 4 | WideCap-OM5 | C39 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 6 OM5B | 6 | WideCap-OM5 | C39 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 OM5B | 8 | WideCap-OM5 | C39 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 OM5B | 12 | WideCap-OM5 | C39 |
| | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 OM5B | 24 | WideCap-OM5 | C39 |
| 60018753 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 MM61 | 4 | OM1 62.5/125 | C02 |
| 60018754 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 6 MM61 | 6 | OM1 62.5/125 | C02 |
| 60018756 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 MM61 | 8 | OM1 62.5/125 | C02 |
| 60018758 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 MM61 | 12 | OM1 62.5/125 | C02 |
| 60019379 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 MM61 | 24 | OM1 62.5/125 | C02 |
| 60019682 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 SM2D | 4 | OS2 G.652.D | C03e |
| 60018755 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 6 SM2D | 6 | OS2 G.652.D | C03e |
| 60033012 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 SM2D | 8 | OS2 G.652.D | C03e |
| 60018759 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 SM2D | 12 | OS2 G.652.D | C03e |
| 60011351 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 SM2D | 24 | OS2 G.652.D | C03e |
| 60027087 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 SM2D BK | 4 | OS2 G.652.D | C03e |
| 60025893 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 SM2D BK | 8 | OS2 G.652.D | C03e |
| 60020206 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 SM2D BK | 12 | OS2 G.652.D | C03e |
| 60032318 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 16 SM2D BK | 16 | OS2 G.652.D | C03e |
| 60024973 | UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 SM2D BK | 24 | OS2 G.652.D | C03e |

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