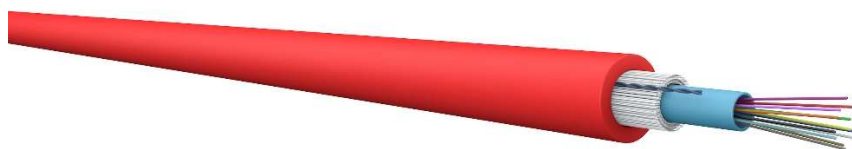


Draka IP MediaLine Fiber based on SMPTE 2110

Central tube cable with 2-24 fibers


C_{ca}
CPR

D_{ca}
CPR

E_{ca}
CPR

Application and installation

This cable can be used to send digital video over an IP network, fiber to business and fiber to the building drop connections as well as fiber to the home drop and access connections. SMPTE 2110 is a standard from the Society of Motion Picture and Television Engineers (SMPTE) that describes how to send digital video over an IP network.

Non-metallic unitube cable is with gel-filled tubes and water-blocked design.

With its FireRes® sheathing this cable is ideal for indoor installations.

It is CPR Class C_{ca} cable with very high flame retardant performance.

It has glass yarn dielectric armouring for rodent resistance.

The cable is water-blocked and well suited for installation in ducts and on trays indoor and limited outdoor use in ducts.

It is equally suited for installation in ducts and on trays. It has a degree of rodent protection.

Standards

ISO 11801-1, EN 50173-1:2011, IEC 60794-1

Flame Resistance

LSHF-FR(FRNC): IEC 60332-1-2(single vertical wire test), IEC 60332-3-24, IEC 60754-1(no halogens), IEC 60754-2(No acid), IEC 61034-2 (no dense);

EN 50399: CPR class C_{ca} s1-d1-a1, class D_{ca}, class E_{ca}

Construction

| | | | | |
|-------------------|--|-----------|----|-----------------------------|
| Loose tube | Ø2.8 mm gel-filled loose tube with 2 – 24 fibers | | | |
| Fiber colour code | 1 | Red | 13 | Red w/mark every 70mm |
| | 2 | Green | 14 | Green w/mark every 70mm |
| | 3 | Blue | 15 | Blue w/mark every 70mm |
| | 4 | Yellow | 16 | Yellow w/mark every 70mm |
| | 5 | White | 17 | White w/mark every 70mm |
| | 6 | Grey | 18 | Grey w/mark every 70mm |
| | 7 | Brown | 19 | Brown w/mark every 70mm |
| | 8 | Violet | 20 | Violet w/mark every 70mm |
| | 9 | Turquoise | 21 | Turquoise w/mark every 70mm |
| | 10 | Black | 22 | White w/mark every 35mm |
| | 11 | Orange | 23 | Orange w/mark every 70mm |
| | 12 | Pink | 24 | Pink w/mark every 70mm |

Draka IP MediaLine Fiber based on SMPTE 2110

| | |
|---------------------|--|
| Strength member | Water-blocking Glass yarns |
| Sheath | 2.0 mm (colour see product description) FireRes® sheath, UV stabilised, IEC 50290-2-27 |
| Sheath marking | Draka IP MediaLine Fiber Cca s1 d1 a1 3.0 kN SMPTE2022 <Fibre count> <Mode field diameter> /125 CT <Factory code> <Batch Number><Meter mark> <Transmission Class> <CE> |
| For example 8E9/125 | Draka IP MediaLine Fiber Cca s1 d1 a1 3.0 kN 8E9/125 CT SMPTE 2022 <factory code> <batch number> <meter marking> <Transmission Class> <CE> |

Physical Properties

| Attribute | IEC 60794-1-21/22 Method | Limits |
|--|--------------------------|---|
| Nominal outer diameter | - | 2 - 24 fibers: 9.4 mm |
| Nominal weight | - | 2 - 24 fibers: 110 kg/km |
| Maximum installation tensile strength | E1 | 3000 N (fiber strain ≤ 0.6%) |
| Permanent tensile strength | E1 | 1000 N (fiber strain ≤ 0.2%) |
| Compressive strength (crush) | E3 | 2000 N / 100 mm |
| Impact | E4 | 20 J |
| 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, unloaded (permanent) | E11 | R = 94 mm |
| Min. bending radius, loaded (installation) | - | R = 188 mm |
| Temperature range | F1 | Storage: -30°C to +60°C Installation: -30°C to +40°C Operation: -30°C to +60°C. |
| Water penetration | F5B | No water on free end |

Product Codes

| Product Code | DoP Number* | Product Description | Fibre Count | Fibre Type | Fibre Data Sheet |
|--------------|-------------|-------------------------------|-------------|-------------------------------|------------------|
| | | 4E/9125 CT LSHF 3kN blue | 4 | BendBright XS G.657 A2 and B2 | C24 |
| | | 8E/9125 CT LSHF 3kN black | 8 | BendBright XS G.657 A2 and B2 | C24 |
| | | 12E/9125 CT LSHF 3kN grey | 12 | BendBright XS G.657 A2 and B2 | C24 |
| | | 24E/9125 CT LSHF 3kN violet | 24 | BendBright XS G.657 A2 and B2 | C24 |
| | | | | | |
| | | 4G62.5/125 CT LSHF 3kN yellow | 4 | MaxCap-OM1 | C02 |
| | | 8G62.5/125 CT LSHF 3kN orange | 8 | MaxCap-OM1 | C02 |
| | | 12G62.5/125 CT LSHF 3kN red | 12 | MaxCap-OM1 | C02 |
| | | | | | |
| | | 4G50/125 CT LSHF 3kN yellow | 4 | MaxCap-BB-OM2 | C34 |
| | | | | | |

*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