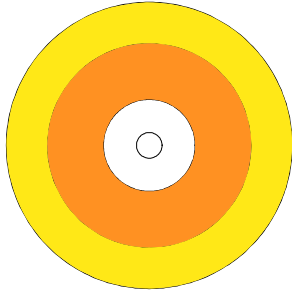


D04-BBXS: Single fibre interconnect cable

ø2.8 mm, UV stabilised LSZH sheath, BendBright^{®XS} fibre

EN 50 173-1

IEC 60794-2-10



Application

Patch cord cable, very well suited for mounting of SC connectors
Internal wiring

Standards

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

Construction

| | |
|-----------------|--|
| Fibre | One tightly buffered BendBright ^{®XS} fibre 900 µm ± 50 µm. |
| Strength member | Ultra high modulus Aramid yarns |
| Sheath | LSZH fire retardant, UV stabilised sheathing material EN 50290-2-27 |
| Sheath colour | Yellow |

Fire rating

| | |
|--------------------------------|---|
| IEC 60332-1-2 | Single vertical wire test, |
| IEC 60332-3-24 = IEC 332-3C | Vertically-mounted bunched wires and cables |
| IEC 60754-1 | No halogens |
| IEC 60754-2 | No acid matters |
| IEC 61034-2 | No dense smoke |

Heat of combustion

| | |
|-----------|------------|
| 160 MJ/km | 0.05 kWh/m |
|-----------|------------|



D04-BBXS: Single fibre interconnect cable

Physical properties

IEC 60974-1-2

| | | |
|--|-----|--|
| Nominal diameter | - | 2.8 mm |
| Nominal weight | - | 9 kg/km |
| Tensile strength (permanent) | E1 | 150 N |
| Tensile strength (dynamic) | E1 | 300 N |
| Compressive strength (crush) | E3 | 2500 N |
| Impact | E4 | 5 Nm |
| Torsion | E7 | 5 cycles \pm 1 turn |
| Min. Bending radius, short term unloaded | E11 | R = 7.5 mm |
| Min. Bending radius, installed | E11 | R = 15 mm, 6 turns around a mandrel \varnothing 30 mm (maximum attenuation increase \leq 0.02 dB at 1550 nm). Maximum attenuation increase for R = 10 mm 0.1 dB/turn at 1550 nm. Maximum attenuation increase for R = 7.5 mm 0.5 dB/turn at 1550 nm. |
| Temperature range | F1 | Operation and installation: -20°C to 70°C. Storage: -20°C to 70°C |

Transmission characteristics

IEC 60793-2

| | |
|-------------------------------|-------------------|
| General properties | Data sheet C24 |
| Attenuation 1310 nm – 1625 nm | \leq 0.39 dB/km |
| Attenuation 1550 nm | \leq 0.25 dB/km |