

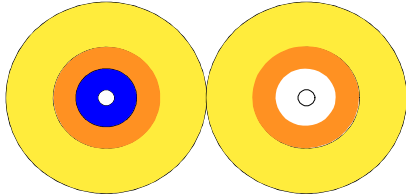


## D10b-BBXS: two fibre interconnect cable

2 x 2.0 mm, UV stabilised LSZH sheath, BendBright<sup>®XS</sup> fibre

EN 50 173-1

IEC 60794-2-10



### Application

Patch cord cable  
Internal wiring

### Standards

EN 187 000  
IEC 60794-2  
IEC 60794-2-10  
ISO 11801 2<sup>nd</sup> edition  
EN 50 173-1

### Construction

Fibre	Two tightly buffered BendBright <sup>®XS</sup> fibre 900 µm ± 50 µm (option 600 µm)
Fibre colours	Fibre 1 Natural Fibre 2 Blue
Strength member	Ultra high modulus Aramid yarns
Sheath	0.4 mm 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

180 MJ/km	0.05 kWh/m
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### Physical properties

IEC 60974-1-2

Nominal diameter	-	2.0 x 4.2 mm
Nominal weight	-	9.0 kg/km
Tensile strength (dynamic)	E1	240 N
Tensile strength (permanent)	E1	120 N
Compressive strength (crush)	E3	600 N (max. variation 0.05 dB) 1000 N (max. variation 0.5 dB)
Impact	E4	2 Nm
Torsion	E7	5 cycles $\pm$ 1 turn
Min. Bending radius	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