

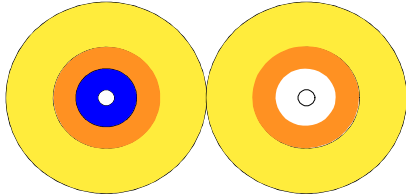


D17-BBXS: two fibre interconnect cable

2 x 1.8 mm, UV stabilised LSZH sheath, BendBright^{®XS} fibre

EN 50 173-1

IEC 60794-2-10



Application

Fits small form factor connectors e.g. MTRJ connector
Patch cord cable
Internal wiring

Standards

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

Construction

Fibre	Two tightly buffered BendBright ^{®XS} fibre 900 µm ± 50 µm (option 600 µm)
Fibre colours	Fibre 1 Natural Fibre 2 Blue
Strength member	Ultra high modulus Aramid yarns
Sheath	0.3 mm LSZH fire retardant, UV stabilised sheathing material EN 50290-2-27
Sheath colour	Yellow

Fire rating

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

136 MJ/km	0.04 kWh/m
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Physical properties

IEC 60974-1-2

Nominal dimensions	-	1.8 x 3.7 mm
Nominal weight	-	6.0 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