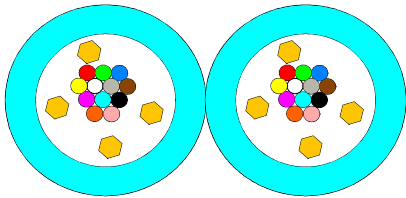


M04: UC^{FUTURE} Patch Cord Style Data Centre Cable

2 x ø3.0 mm patch cord cable for data centres with 2 x 12 fibres



Application and installation

The intended application for this cable is as patch cords for data centres.
Fits multi fibre connectors such as the MPO® and MTP® connectors
For two 12 fibres connectors according to IEC 61754-7-1

Standards

EN 50173-5, IEC 60794-2-20, ISO/IEC 24764

Flame resistance

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

Options

As an option this cable is available with 2 x 2; 2 x 4; 2 x 8 and 2 x 10 fibers.

Construction

Fibre	24 primary coated fibres nominally 242 µm	
Fibre colours	According to TIA/EIA 598-C also in agreement with IEC 60304: Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink and aqua	
Strength member	Ultra high modulus Aramid yarns	
Sheath	FireRes® halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised; 0.4 mm	
Sheath colours	Cable with BendBright ^{XS} SM fibres G.657.A2	Yellow, RAL 1018
	Cable with MaxCap-BB-OM3	Aqua, RAL 6027
	Cable with MaxCap-BB-OM4	Erika-violet RAL 4003
	Cable with BendBright WideCap-OM5	Lime Green

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Physical Properties

Property	IEC 60794-1-2 method	Value
Fibre count	-	24
Nominal dimensions	-	6.2 mm x 3.0 mm +0.1 mm -0.3 mm
Nominal weight	-	18 kg/km
Tensile strength (dynamic)	E1	440 N
Tensile strength (permanent)	E1	220 N
Compressive strength (crush) (N/100mm)	E3	400N
Impact	E4	4 Nm, R= 12.5 mm
Kink	E10	No kink
Min. bending radius	E11	R = 20 mm
Temperature range	F1	Operation and installation: -0°C to 50°C. Storage: -20°C to 50°C
Heat of combustion (calculated)	-	400 MJ/km 1.0 kWh/m

Product Codes

Product Code	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
UC ^{FUTURE}	FO I LBP DI LSHF-FR 2 x12 OM3B	24	MaxCap-BB-OM3	C31
UC ^{FUTURE}	FO I LBP DI LSHF-FR 2 x 12 OM4B	24	MaxCap-BB-OM4	C32
UC ^{FUTURE}	FO I LBP DI LSHF-FR 2 x 12 OM5B	24	WideCap-OM5	C39
UC ^{FUTURE}	FO I LBP DI LSHF-FR 2 x 12 SM7B	24	BendBright ^{XS} G.657.A2	C24
UC ^{FUTURE}	FO I LBP DI LSHF-FR 2 x 12 SM7B.P	24	BendBright ^{XS} G.657.A2, tight geometry	C25
UC ^{FUTURE}	FO I LBP DI LSHF-FR 2 x 12 SM7A1.P	24	BendBright G.657.A1, tight geometry	C38

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