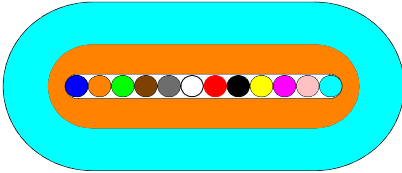


M01: UC^{FUTURE} Patch Cord Style Data Centre Cable

Ribbon cable for data centres with 12 fibres



Application and installation

The intended application for this cable is as patch cords for data centres.

Fits multi fibre connectors according to IEC 61754-7-1 such as the MPO[®] and MTP[®] connectors (MTP is a trademark of USConec)

Standards

EN 50173-5, IEC 60794-2-30, ISO/IEC 24764

Flame resistance

LSHF-FR: IEC 60332-1-2, IEC 60332-2-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2

Construction

Fibre	1 fibre ribbon 0.3 mm x 3.1 mm	
Fibre colours	According to TIA-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 [®] 0.5 mm, Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised	
Sheath colours	Cable with BendBright ^{XS} SM fibres G.657.A2	Yellow, RAL 1021
	Cable with MaxCap-BB-OM2 fibres	Orange, RAL 2003
	Cable with MaxCap-BB-OM3 and MacCap-BB-OM4 fibres	Aqua, RAL 6027
Print legend	DRAKA UCFUTURE FO I RIP DI N LSHF-FR 12 <FIBER_TYPE> <ITEM NO> 05 <BATCH NO> <METER> M	

M01: UC^{FUTURE} Patch Cord Style Data Centre Cable

Physical properties

Attribute	IEC 60794-1-2 Method	Limits
Fibre count		12
Nominal dimensions	-	2.0 mm ± 0.3 mm x 4.5 mm ± 0.4 mm
Nominal weight	-	9 kg/km
Tensile strength (dynamic)	E01	200 N
Tensile strength (permanent)	E01	100 N
Compressive strength (crush) (N/100mm)	E03	1000N
Impact	E04	3 Nm, R= 12.5 mm
Repeated Bending	E06	R = 25 mm 300 cycles
Torsion	E07	Pass
Min. Bending radius	E11	R = 7.5 mm, max attenuation variation: 0.2 dB/turn R= 25 mm no attenuation variation / 10 turns
Temperature range	F01	Operation and installation: -0°C to 50°C. Storage: -20°C to 50°C
Heath of Combustion (calculated)	-	240 MJ/km 0.7 kWh/m

Product codes – ordering information

Prysmian group material code	Prysmian Group material description	Draka Material code	Fibre count	Fibre type	Fibre data sheet
	UCFUTURE FO I RIP DI N LSHF-FR 12 OM3B	1022542	12	MaxCap-BB-OM3 multi mode	C31
	UCFUTURE FO I RIP DI N LSHF-FR 12 OM4B	1022543	12	MaxCap-BB-OM4 multi mode	C32
	UCFUTURE FO I RIP DI N LSHF-FR 12 SM7B	1022541	12	BendBrightXS G.657.A2	C24

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