

# M02: UC<sup>FUTURE</sup> Patch Cord Style Data Centre Cable

ø3.0 mm patch cord cable for data centers with 12 fibers



## Application and Installation

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

Fits to multi fibre connectors such as MPO® and MTP® 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<sub>ca</sub>

## Options

As an option this cable is available with 2, 4, 8 and 10 fibres.

## Construction

Fibre	12 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 <sup>XS</sup> 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 60794-1-21/22 Method	Value
Fibre count	-	12
Nominal dimensions	-	3.0 mm ± 0.15 mm
Nominal weight [kg/km]	-	9
Tensile strength (dynamic)	E1	220 N
Tensile strength (permanent)	E1	110 N
Compressive strength (crush) (N/100mm)	E3	500N
Impact	E4	4 Nm, R= 12.5 mm
Torsion	E07	Pass
Kink	E10	No Kink
Min. Bending radius	E11	R = 15 mm
Temperature range	F1	Operation and installation: -0°C to 70°C. Storage: -20°C to 50°C
Heat of combustion	-	200 MJ/km 0.5 kWh/m

## Product codes – ordering information

Product Code	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
60031454	UC <sup>FUTURE</sup> FO I LBP DI LSHF-FR 12 OM3B AQ	12	MaxCap-BB-OM3	C31
60032214	UC <sup>FUTURE</sup> FO I LBP DI LSHF-FR 8 OM4B 4003	8	MaxCap-BB-OM4	C32
60032675	UC <sup>FUTURE</sup> FO I LBP DI LSHF-FR 12 OM4B 4003	12	MaxCap-BB-OM4	C32
	UC <sup>FUTURE</sup> FO I LBP DI LSHF-FR 8 OM5B LG	8	WideCap-OM5	C39
	UC <sup>FUTURE</sup> FO I LBP DI LSHF-FR 12 OM5B LG	12	WideCap-OM5	C39
60019809	UC <sup>FUTURE</sup> FO I LBP DI LSHF-FR 12 SM7B YL	12	BendBright <sup>XS</sup> G.657.A2	C24
60048325	UC <sup>FUTURE</sup> FO I LBP DI LSHF-FR 12 SM7B.P YL	12	BendBright <sup>XS</sup> G.657.A2, tight geometry	C25
	UC <sup>FUTURE</sup> FO I LBP DI LSHF-FR 12 SM7A1.P YL	12	BendBright <sup>XS</sup> G.657.A1, tight geometry	C38

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