

M02: UC^{FUTURE} Patch Cord Style Data Centre Cable

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



Application and Installation

The intended application for this cable is MPO 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 60332-3-24; IEC 60332-2-2; IEC 60754-1; IEC 60754-2; IEC 61034, EN 50399 Class D_{ca}-s2-d2-a1, Class E_{ca}

Options

As an option this cable is available with 8 fibres.

Construction

Fibre	12 primary coated fibres, nominally 250 µm			
Fibre colours	1	Blue	7	Red
	2	Orange	8	Black
	3	Green	9	Yellow
	4	Brown	10	Violet
	5	Grey	11	Pink
	6	White	12	Aqua
According to TIA/EIA 598-C also in agreement with IEC 60304				
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	
Sheath Printing	DRAKA UCFUTURE FO I LBP M02 LSHF-FR Dca-s2-d2-a1 <Fibre count> <Fibre type><Fibre brand><Item No><Factory No><Batch Number><Meter mark>			

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Physical Properties

Property	IEC 60794-1-21/22 Method	Value
Fibre count	-	8, 12
Nominal dimensions	-	3.0 mm ± 0.15 mm
Nominal weight [kg/km]	-	9
Tensile strength (dynamic)	E1	450 N (fibre strain ≤ 0.5%)
Tensile strength (permanent)	E1	225 N (fibre strain ≤ 0.25%)
Compressive strength (crush) (N/100mm)	E3	500N
Impact	E4	2 Nm, R= 12.5 mm
Torsion	E07	Pass
Kink	E10	No Kink
Min. Bending radius installation	E11	30 mm
Min. Bending radius permanent	E18a	60 mm
Temperature range	F1	Operation and installation: 0°C to 50°C. Storage: -20°C to 70°C
Heat of combustion	-	200 MJ/km 0.5 KWh/m

Product codes – ordering information

Product Code	DoP Number*	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
60031454	1005543	UC ^{FUTURE} FO I LBP DI LSHF-FR 12 OM3B AQ	12	MaxCap-BB-OM3	C31
60032214		UC ^{FUTURE} FO I LBP DI LSHF-FR 8 OM4B 4003	8	MaxCap-BB-OM4	C32
60032675		UC ^{FUTURE} FO I LBP DI LSHF-FR 12 OM4B 4003	12	MaxCap-BB-OM4	C32
		UC ^{FUTURE} FO I LBP DI LSHF-FR 8 OM5B LG	8	WideCap-OM5	C39
		UC ^{FUTURE} FO I LBP DI LSHF-FR 12 OM5B LG	12	WideCap-OM5	C39
60019809	1006674	UC ^{FUTURE} FO I LBP DI LSHF-FR 12 SM7B YL	12	OS2 BendBright ^{XS} G.657.A2	C24
60052456	1006297	UC ^{FUTURE} FO I LBP DI LSHF-FR 12 SM7B.P YL	12	OS2 BendBright ^{XS} G.657.A2, tight geometry	C25
		UC ^{FUTURE} FO I LBP DI LSHF-FR 12 SM7A1.P YL	12	OS2 BendBright ^{XS} G.657.A1, tight geometry	C38

*DoP Numbers are per product code and any DoP number proves CPR approval for the cable. DoP files can be downloaded from the website: www.prysmiangroup.com/cpr

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