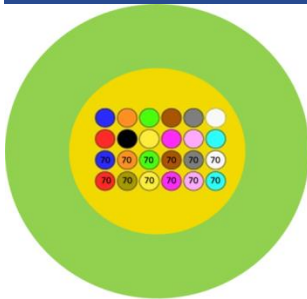


# M03: UC<sup>FUTURE</sup> Patch Cord Style Data Centre Cable

Ø3.6 mm patch cord cable for data centres with 24 fibres



## Application

The intended application for this cable is as patch cords for data centres.  
Fits 24 fibre MPO<sup>®</sup> and MTP<sup>®</sup> connectors according to IEC 61754-7-2

## 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 16 and 20 fibres.

## Construction

Fibre	24 primary coated fibres nominally 242 µm	
Fibre colour code  According to TIA/EIA 598-C also in agreement with IEC 60304	1 Blue	13 Blue w/mark every 70mm
	2 Orange	14 Orange w/mark every 70mm
	3 Green	15 Green w/mark every 70mm
	4 Brown	16 Brown w/mark every 70mm
	5 Grey	17 Grey w/mark every 70mm
	6 White	18 White w/mark every 70mm
	7 Red	19 Red w/mark every 70mm
	8 Black	20 White w/mark every 35mm
	9 Yellow	21 Yellow w/mark every 70mm
	10 Violet	22 Violet w/mark every 70mm
	11 Pink	23 Pink w/mark every 70mm
	12 Aqua	24 Aqua w/mark every 70mm
Strength member	Ultra high modulus Aramid yarns	
Sheath	FireRes <sup>®</sup> halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised	
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	-	24
Nominal dimensions	-	3.6 mm +0.1 mm -0.3 mm
Nominal weight	-	11 kg/km
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 15 Nm, R = 300 mm
Torsion	E07	Pass
Kink	E10	No Kink
Min. Bending radius	E11	R = 15 mm
Temperature range	F1	Operation and installation: -0°C to 60°C. Storage: -20°C to 60°C
Heat of combustion (calculated)	-	200 MJ/km 0,5 kWh/m

## Product Codes

Product Code	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
	UC <sup>FUTURE</sup> FO I LBP DI LSHF-FR 24 OM3B AQ	24	MaxCap-BB-OM3	C31
	UC <sup>FUTURE</sup> FO I LBP DI LSHF-FR 24 OM4B 4003	24	MaxCap-BB-OM4	C32
	UC <sup>FUTURE</sup> FO I LBP DI LSHF-FR 24 OM5B LG	24	WideCap-OM5	C39
	UC <sup>FUTURE</sup> FO I LBP DI LSHF-FR 24 SM7B YL	24	BendBright <sup>XS</sup> G.657.A2	C24
	UC <sup>FUTURE</sup> FO I LBP DI LSHF-FR 24 SM7B.P YL	24	BendBright <sup>XS</sup> G.657.A2, tight geometry	C25
	UC <sup>FUTURE</sup> FO I LBP DI LSHF-FR 24 SM7A1.P YL	24	BendBright <sup>XS</sup> G.657.A1, tight geometry	C38

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