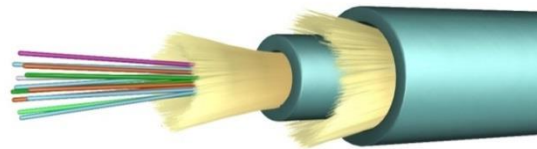
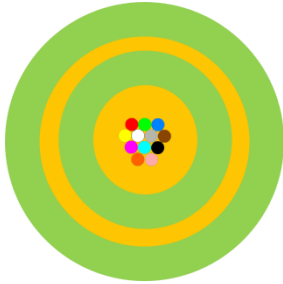


M09: UC^{FUTURE} Data Centre Cable for Raceways

Ø4.5 mm robust cable for data centres with 12 fibres, Class-B2ca s1d1a1 flame resistance



Application and installation

The intended application for this cable is internal connections inside data centres, where the cable is installed on “raceways” or other means where a robust cable is called for.

Fits multi fibre connectors such as the 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 60754-2; IEC 61034; EN 50399 Class-B2ca s1d1a1, Class-Cca, Class Dca; Class Eca

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	
Inner sheath	FireRes® halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised, 0.45 mm	
Reinforcement	Ultra high modulus Aramid yarns	
Outer sheath	Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised, 0.5 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

M09: UC^{FUTURE} Data Centre Cable for Raceways

Physical properties

Property	IEC 60794-1-21/22 method	Value
Fibre count	-	12
Nominal dimensions	-	Inner: $\varnothing 3.0$ mm +0.1 mm -0.2 mm Outer: $\varnothing 4.5$ mm +0.2 mm -0.2 mm
Nominal weight	-	20 kg/km
Tensile strength (dynamic)	E1	1000 N
Tensile strength (permanent)	E1	500 N
Compressive strength (crush)	E3	500N
Impact	E4	5 Nm, R= 12.5 mm
Torsion	E07	Pass
Kink	E10	No kink
Min. bending radius	E11	R = 20 mm
Temperature range	F12	According to IEC 60794-2-50 F12: -10°C to 70°C

Product codes – ordering information

Product code	Product description	Fibre count	Fibre type	Fibre data sheet
	UC ^{FUTURE} FO LBP M09 LSHF-FR B2 12 OM3B AQ	12	MaxCap-BB-OM3	C31
	UC ^{FUTURE} FO LBP M09 LSHF-FR B2 12 OM4B 4003	12	MaxCap-BB-OM4	C32
	UC ^{FUTURE} FO LBP M09 LSHF-FR B2 12 OM5B LG	12	WideCap-OM5	C39
	UC ^{FUTURE} FO LBP M09 LSHF-FR B2 12 SM7B YL	12	OS2 - BendBright ^{XS} G.657.A2	C24
	UC ^{FUTURE} FO LBP M09 LSHF-FR B2 12 SM7B.P YL	12	OS2 - BendBright ^{XS} G.657.A2, tight geometry	C25
	UC ^{FUTURE} FO LBP M09 LSHF-FR B2 12 SM7A1.P YL	12	OS2 - BendBright G.657.A1, tight geometry	C38

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