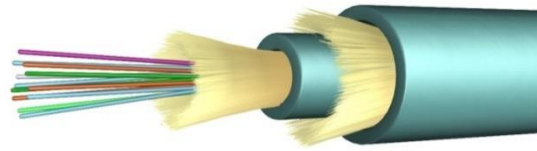
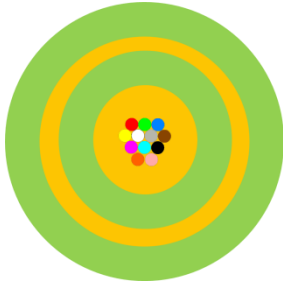


M07: UC^{FUTURE} Data Centre Cable for Raceways

Ø4.5 mm robust cable for data centres with 12 fibres



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 D_{ca}s2d2a1; 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
According to TIA/EIA 598-C also in agreement with IEC 60304	3 Green	9 Yellow
	4 Brown	10 Violet
	5 Grey	11 Pink
	6 White	12 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
Sheath Printing	DRAKA UCFUTURE FO I LBP M07 LSHF-FR Dca-s2-d2-a1 <Fibre count> <Fibre type><Fibre brand><Item No><Factory No><Batch Number><Meter mark>	

M07: 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 (fibre strain < 0.5%)
Tensile strength (permanent)	E1	500 N (fibre strain < 0.25%)
Compressive strength (crush)	E3	500N
Impact	E4	5 Nm, R= 12.5 mm
Torsion	E07	Pass
Kink	E10	No kink
Min. bending radius [mm] - installation	E11	45
Min. bending radius [mm] - permanent	E18a	90
Temperature range	F12	According to IEC 60794-2-50 F12: -10°C to 70°C

Product codes – ordering information

Product code	DoP Number*	Product description	Fibre count	Fibre type	Fibre data sheet
60029956	1007103	UC ^{FUTURE} FO LBP M07 LSHF-FR D 12 OM3B AQ	12	MaxCap-BB-OM3	C31
60032671		UC ^{FUTURE} FO LBP M07 LSHF-FR D 12 OM4B 4003	12	MaxCap-BB-OM4	C32
		UC ^{FUTURE} FO LBP M07 LSHF-FR D 12 OM5B LG	12	WideCap-OM5	C39
60038485	1007233	UC ^{FUTURE} FO LBP M07 LSHF-FR D 12 SM7B YL	12	OS2 - BendBright ^{XS} G.657.A2	C24
		UC ^{FUTURE} FO LBP M07 LSHF-FR D 12 SM7B.P YL	12	OS2 - BendBright ^{XS} G.657.A2, tight geometry	C25
		UC ^{FUTURE} FO LBP M07 LSHF-FR D 12 SM7A1.P YL	12	OS2 - BendBright 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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