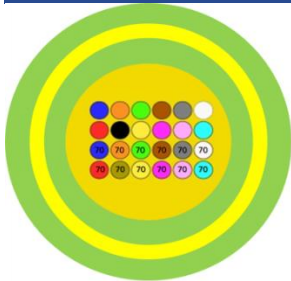


M08: UC^{FUTURE} Data Centre Cable for Raceways

Ø5.3 mm robust raceway cable for data centres with 24 fibres



Application

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 60754-1; IEC 60754-2; IEC 61034, EN 50399 Class D_{ca}s2d2a1, Class E_{ca}

Options

As an option this cable is available with 16 fibres.

Construction

Fibre	24 primary coated fibres nominally 242 µm	
Fibre colour code	1 Blue	13 Blue w/mark every 70mm
According to TIA/EIA 598-C also in agreement with IEC 60304	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
1 st Sheath	FireRes® halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised	
Reinforcement	Ultra high modulus Aramid yarns	
2 nd 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 M08 LSHF-FR Dca-s2-d2-a1 <Fibre count> <Fibre type><Fibre brand><Item No><Factory No><Batch Number><Meter mark>	

M08: UC^{FUTURE} Data Centre Cable for Raceways

Physical properties

Property	IEC 60794-1-21/22 method	Value
Fibre count	-	24
Nominal dimensions	-	Inner: $\varnothing 3.6$ mm +0.1 mm -0.3 mm Outer: $\varnothing 5.3$ mm +0.2 mm -0.2 mm
Nominal weight	-	22 kg/km
Tensile strength (dynamic)	E1	1000 N (fibre strain $\leq 0.5\%$)
Tensile strength (permanent)	E1	500 N (fibre strain $\leq 0.25\%$)
Compressive strength (crush) (N/100mm)	E3	500N
Impact	E4	5 Nm, R= 12.5 mm
Torsion	E07	Pass
Kink	E10	No Kink
Min. Bending radius [mm] - installation	E11	53
Min. Bending radius [mm] - permanent	E18a	106
Temperature range	F1	Operation and installation: -10°C to 70°C. Storage: -20°C to 60°C

Product codes – ordering information

Product code	DoP Number*	Product description	Fibre count	Fibre type	Fibre data sheet
		UC ^{FUTURE} FO LBP M08 LSHF-FR 24 OM3B AQ	24	MaxCap-BB-OM3	C31
		UC ^{FUTURE} FO LBP M08 LSHF-FR 24 OM4B 4003	24	MaxCap-BB-OM4	C32
		UC ^{FUTURE} FO LBP M08 LSHF-FR 24 OM5B LG	24	WideCap-OM5	C39
60058003	1007234	UC ^{FUTURE} FO LBP M08 LSHF-FR 24 SM7B YL	24	BendBright ^{XS} G.657.A2	C24
		UC ^{FUTURE} FO LBP M08 LSHF-FR 24 SM7B.P YL	24	BendBright ^{XS} G.657.A2, tight geometry	C25
		UC ^{FUTURE} FO LBP M08 LSHF-FR 24 SM7A1.P YL	24	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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