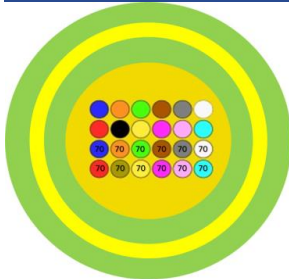


M08: UC^{FUTURE} Data Centre Cable for Raceways

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



Eca
CPR

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 60332-2-2; IEC 60754-1; IEC 60754-2; IEC 61034, Class E_{ca}

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			
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-violett 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	-	Inner: $\varnothing 3.6 \text{ mm} +0.1 \text{ mm} -0.3 \text{ mm}$ Outer: $\varnothing 5.3 \text{ mm} +0.2 \text{ mm} -0.2 \text{ mm}$
Nominal weight	-	22 kg/km
Tensile strength (dynamic)	E1	1000 N
Tensile strength (permanent)	E1	500 N
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	E11	R = 20 mm
Temperature range	F1	Operation and installation: -10°C to 70°C. Storage: -20°C to 60°C

Product codes – ordering information

Product code	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
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

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