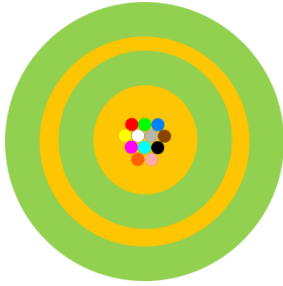


# M09: UC<sup>FUTURE</sup> Data Centre B2ca Cable for Raceways

Ø4.5 mm robust cable for data centres with 12 fibres, Class-B2ca-s1a-d1-a1



## 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.

This cable features high flame retardance with Class-Cca approval.

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-s1a-d1-a1, Class-Cca, Class Dca; Class Eca

## 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 <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

# M09: UC<sup>FUTURE</sup> Data Centre B2ca Cable for Raceways

Sheath printing	DRAKA UCFUTURE FO I LBP M09 LSHF-FR B2ca-s1a-d1-a1 <fibre count> <fibre type> <fibre brand> >product code> <factory code> <batch no.> <meter> M
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## 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 $\leq 0.6\%$ )
Tensile strength (permanent)	E1	300 N (fibre strain $\leq 0.2\%$ )
Compressive strength (crush)	E3	500N
Impact	E4	5 Nm, R= 12.5 mm
Torsion	E07	Pass
Kink	E10	No kink
Min. bending radius [mm] – permanent	E11	45
Min. bending radius [mm] – installation		90
Temperature range	F12	Operation and installation: 0°C to 50°C. Storage: -20°C to 60°C

## Product codes – ordering information

Product code	DoP Number*	Product description	Fibre count	Fibre type	Fibre data sheet
60066908	1007085	UC <sup>FUTURE</sup> FO I LBP M09 LSHF-FR B2 12 OM3B AQ	12	MaxCap-BB-OM3	C31
		UC <sup>FUTURE</sup> FO I LBP M09 LSHF-FR B2 12 OM4B 4003	12	MaxCap-BB-OM4	C32
		UC <sup>FUTURE</sup> FO I LBP M09 LSHF-FR B2 12 OM5B LG	12	WideCap-OM5	C39
		UC <sup>FUTURE</sup> FO I LBP M09 LSHF-FR B2 12 SM7B YL	12	OS2 - BendBright <sup>XS</sup> G.657.A2	C24
		UC <sup>FUTURE</sup> FO I LBP M09 LSHF-FR B2 12 SM7B.P YL	12	OS2 - BendBright <sup>XS</sup> G.657.A2, tight geometry	C25
		UC <sup>FUTURE</sup> FO I LBP M09 LSHF-FR B2 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](http://www.prysmiangroup.com/cpr)

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