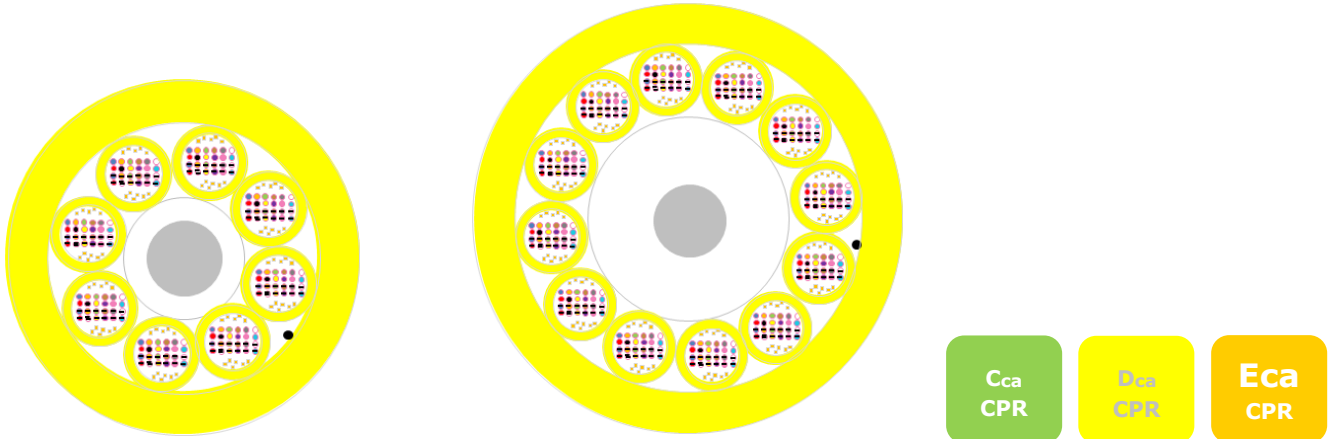


# M16: UC<sup>FUTURE</sup> Trunk Style Data Centre Cable

192 & 288 fibres cable for data centres with  $\varnothing 3.5$  mm sub-units with 24 fibres, Cca-s1a-d1-a1



## Application and installation

The intended application for this cable is as trunk net cable inside data centres and central offices.

Fits 12 way multi fibre connectors according to IEC 61754-7-1 such as the MPO® and MTP® connectors without the need for a fan-out gland

## Standards

EN 50173-5, IEC 60794-2-20, IEC 60794-2-50, 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-C<sub>ca</sub>s1a-d1-a1, Class D<sub>ca</sub>; Class E<sub>ca</sub>

## Construction

Fiber unit	24 primary coated fibres, nominally 242 $\mu$ m, unit diameter 3.5 mm			
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		
Unit sheath	Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised			
Unit identification	Colour of unit sheath is the same as the outer sheath. The units are identified by numbers 8 ... 12 as required			

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Central strength member	FRP rod with covering as required	
Wrapping	Tape	
Sheath	1.5 mm FireRes <sup>®</sup> halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised	
Sheath colours	Cable with BendBright <sup>XS</sup> SM fibres G.657.A2, BendBright SM fibres G.657.A1	Yellow, RAL 1018
	Cable with MaxCap-BB-OM3	Aqua, RAL 6027
	Cable with MaxCap-BB-OM4	Erika violet RAL 4003
	Cable with WideCap-OM5	Lime-Green
Sheath printing	DRAKA UC <sup>FUTURE</sup> FO I B3.5S M16 LSHF-FR Cca-s1a-d1-a1 <fibre count> <fibre type> <fibre brand> >product code> <factory code> <batch no.> <meter> M	

### Physical properties

Property	IEC 60794-1-21/22 method	Value	
Number of fibres	-	192	288
Fibre Distribution	-	8x24f	12x24f
Nominal cable diameter [mm]	-	15.5	20.0
Nominal cable weight [kg/km]	-	235	400
Minimum bending radius [mm] - installation	E11	155	200
Minimum bending radius [mm] - permanent	E18a	310	400
Installation tensile strength [N]	E01	1100	1100
Permanent tensile strength [N]	E01	750	750
Compressive strength (crush) [N/100 mm]	E03	2000 N	
Impact	E04	20 Nm, R= 300 mm 15 Nm, R= 12.5 mm	
Torsion	E07	6 cycles -+ 1turn. Pass	
Kink	E10	No Kink	
Temperature range	F01	Operation and installation: -10°C to 70°C. Storage: -20°C to 50°C	

### Product codes – ordering information

Product Code	DoP Number*	Product description	Fibre count	Fibre type	Fibre data sheet
		UC <sup>FUTURE</sup> FO I B3.5S LSHF-FR 192 OM3B AQ	192	MaxCap-BB-OM3	C31
		UC <sup>FUTURE</sup> FO I B3.5S LSHF-FR 288 OM3B AQ	288	MaxCap-BB-OM3	C31
		UC <sup>FUTURE</sup> FO I B3.5S LSHF-FR 192 OM4B 4003	192	MaxCap-BB-OM4	C32
		UC <sup>FUTURE</sup> FO I B3.5S LSHF-FR 288 OM4B 4003	288	MaxCap-BB-OM4	C32
		UC <sup>FUTURE</sup> FO I B3.5S LSHF-FR 192 OM5B LG	192	Wideband-OM5	C39
		UC <sup>FUTURE</sup> FO I B3.5S LSHF-FR 288 OM5B LG	288	Wideband-OM5	C39
		UC <sup>FUTURE</sup> FO I B3.5S LSHF-FR 192 SM7B YL	192	BendBright <sup>XS</sup> G.657.A2 singlemode	C24

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		UC <sup>FUTURE</sup> FO I B3.5S LSHF-FR 288 SM7B YL	288	BendBright <sup>XS</sup> G.657.A2 singlemode	C24
		UC <sup>FUTURE</sup> FO I B3.5S LSHF-FR 192 SM7B.P YL	192	BendBright <sup>XS</sup> G.657.A2 with tight geometry for patch cords	C25
		UC <sup>FUTURE</sup> FO I B3.5S LSHF-FR 288 SM7B.P YL	288	BendBright <sup>XS</sup> G.657.A2 with tight geometry for patch cords	C25
		UC <sup>FUTURE</sup> FO I B3.5S LSHF-FR 192 SM7A1 YL	192	BendBright G.657.A1 singlemode	C17
		UC <sup>FUTURE</sup> FO I B3.5S LSHF-FR 288 SM7A1 YL	288	BendBright G.657.A1 singlemode	C17
		UC <sup>FUTURE</sup> FO I B3.5S LSHF-FR 192 SM7A1.P YL	192	BendBright G.657.A1 with tight geometry for patch cords	C38
		UC <sup>FUTURE</sup> FO I B3.5S LSHF-FR 288 SM7A1.P YL	288	BendBright G.657.A1 with tight geometry for patch cords	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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