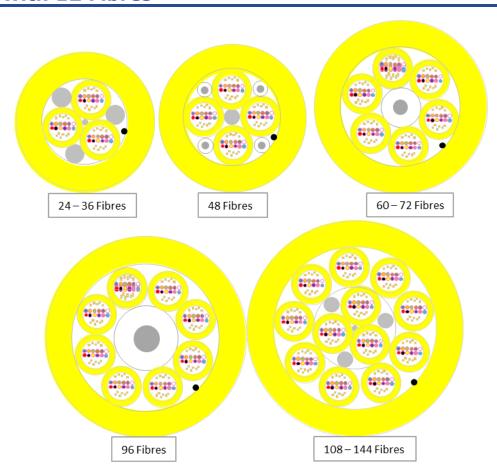




## M06: UCFUTURE Trunk Style Data Centre Cable

24 – 144 fibres cable for data centres with  $\emptyset$  3.0 mm fibre units with 12 Fibres



### **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;

#### Construction

Fiber unit	12 primary coated fibres, nominally 242 μm, diameter ø3 mm			
Fibre colours	According to TIA/EIA 598-C also in agreement with IEC 60304: Blue, orange, green, brown, grey,			
	white, red, black, yellow, violet, pink and aqua			
Strength member	Ultra high modulus Aramid yarns			







## **M06: UCFUTURE Trunk Style Data Centre Cable**

	_				
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 1 8 as required				
Central strength member	FRP rod with covering as required				
Wrapping	Таре				
Sheath	1.0 mm FireRes® 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 fibres	Erika violet RAL 4003			
	Cable with Wideband-BB-OM5 fibres	Lime-Green			

**Physical properties** 

Property	IEC 60794- 1-21/22 method	Value						
Number of fibres		24	36	48	72	96	144	
Nominal cable diameter [mm]	-	9.9	9.9	10.5	13.5	14.1	15.9	
Nominal cable weight [kg/km]	-	80	87	94	107	151	220	
Heath of combustion [MJ/km]		1250	1200	1170	1820	2570	4300	
(calculated) [kWh/m]		0.35	0.33	0.32	0.50	0.71	1.2	
Minimum bending radius [mm]	E11	125	125	125	150	175	175	
Installation tensile strength [N]	E01	600	600	600	1100	1100	1100	
Permanent tensile strength [N]	E01	400	400	400	750	750	750	
Compressive strength (crush) [N/100 mm]	E03	2000 N						
Impact	E04	20 Nm, R= 300 mm						
<u> </u>		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	Product description	Fibre count	Fibre type	Fibre data sheet
-	UCFUTURE FO I B3S LSHF-FR 24 OM3B AQ	24	MaxCap-BB-OM3 multi mode	C31
	UCFUTURE FO I B3S LSHF-FR 96 OM3B AQ	96	MaxCap-BB-OM3 multi mode	C31
	UCFUTURE FO I B3S LSHF-FR 24 OM4B 4003	24	MaxCap-BB-OM4 multi mode	C32
	UCFUTURE FO I B3S LSHF-FR 96 OM4B 4003	96	MaxCap-BB-OM4 multi mode	C32
	LIGHTING TO A DOCUMENT OF THE CONTROL OF THE CONTRO			
	UCFUTURE FO I B3S LSHF-FR 24 OM5B LG	24	Wideband-BB-OM5 multi mode	C39
-	UCFUTURE FO I B3S LSHF-FR 96 OM5B LG	96	Wideband-BB-OM5 multi mode	C39
	UCFUTURE FO I B3S LSHF-FR 24 SM7B YL	24	BendBright <sup>XS</sup> G.657.A2 singlemode	C24
	UCFUTURE FO I B3S LSHF-FR 96 SM7B YL	96	BendBright <sup>xs</sup> G.657.A2 singlemode	C24



C17

C38

C38



UCFUTURE FO I B3S LSHF-FR 96 SM7A1 YL

UCFUTURE FO I B3S LSHF-FR 24 SM7A1.P YL

UCFUTURE FO I B3S LSHF-FR 96 SM7A1.P YL



# M06: UCFUTURE Trunk Style Data Centre Cable UCFUTURE FO I B3S LSHF-FR 24 SM7B.P YL UCFUTURE FO I B3S LSHF-FR 96 SM7B.P YL UCFUTURE FO I B3S LSHF-FR 96 SM7B.P YL UCFUTURE FO I B3S LSHF-FR 24 SM7A1 YL UCFUTURE FO I B3S LSHF

96

24

96

BendBright G.657.A1 singlemode

BendBright G.657.A1 with tight

BendBright G.657.A1 with tight

geometry for patch cords

geometry for patch cords

© PRYSMIAN GROUP 2017, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.

