



UC^{FUTURE} FO I B3S LSHF-FR

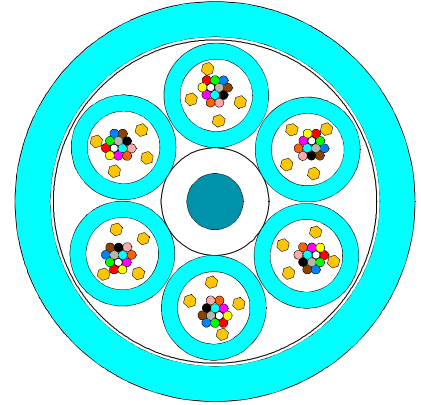
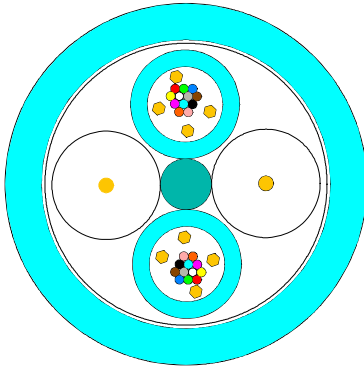
24 – 96 fibre cable for data centres with ø 3.0 mm fiber units

DIN/VDE

NO

FR

DK



Application

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
ISO/IEC 24764	IEC 60794-2-50

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	
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	Tape	
Sheath	FireRes [®] halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised	
Sheath colours	Cable with BendBright ^{XS} SM fibres G.657.A2	Yellow, RAL 1021
	Cable with MaxCap-BB-OM2	Orange, RAL 2003
	Cable with MaxCap-BB-OM3 and MaxCap-BB-OM4 fibres	Aqua, RAL 6027

Note: The Draka policy of continuous improvement may cause in changed specifications without prior notice

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Fire rating

IEC 60332-1-2	Pass
IEC 60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

Physical properties

IEC 60794-1-2

Property	Test method	Value				
		24	36	48	72	96
Number of fibres		24	36	48	72	96
Nominal cable diameter [mm]		10.0	10.0	10.0	11.5	13.5
Nominal cable weight [kg/km]		103	100	95	110	160
Heath of combustion [MJ/km] (calculated) [kWh/m]		1250	1200	1170	1820	2570
		0.35	0.33	0.32	0.50	0.71
Minimum bending radius [mm]	E11	125	125	125	150	175
Installation tensile strength [N]	E01	600	600	600	1100	1100
Permanent tensile strength [N]	E01	400	400	400	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

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
T.B.A	24	UC ^{FUTURE} FO I B3S LSHF-FR 96 OM3B	MaxCap-BB-OM3 multi mode	C31
T.B.A	96	UC ^{FUTURE} FO I B3S LSHF-FR 96 OM3B	MaxCap-BB-OM3 multi mode	C31

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