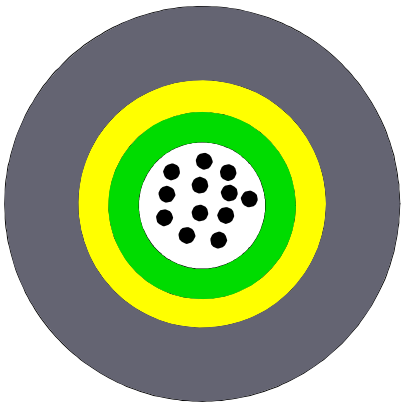
UC$^{FIBRE™}$ I CT N LSHF-FR 1.0 kN

Central tube cable w. 2 – 24 fibres, aramid yarns and FireRes® sheath

DIN/VDE J- D(ZN)H NO FR DK



Application and Installation

This cable can be used for LAN backbones, where an IEC 60332-3-24 (IEC 60332-3C) fire test is requested, and rodent protection is not an issue.

The cable can be installed on trays, in ducts.

Standards

EN 187 000
IEC 60794-2
IEC 60794-2-20
IEC 60794-2-21
ISO 11801 2nd edition
EN 50 173-1

Construction

Loose tube	ø2.8 mm jelly filled loose tube with 2 – 16 fibres; ø3.5 mm loose tube with 24 fibres			
Fibre colour code	1	Red	13	Yellow w/mark per 70 mm
	2	Green	14	White w/mark per 70 mm
	3	Blue	15	Grey w/mark per 70 mm
	4	Yellow	16	Turquoise w/mark per 70 mm
	5	White	17	Orange w/mark per 70 mm
	6	Grey	18	Pink w/mark per 70 mm
	7	Brown	19	Yellow w/mark every 35 mm
	8	Violet	20	White w/mark every 35 mm
	9	Turquoise	21	Grey w/mark every 35 mm
	10	Black	22	Turquoise w/mark every 35 mm
	11	Orange	23	Orange w/mark every 35 mm
	12	Pink	24	Pink w/mark every 35 mm
Strength member	High modulus aramid yarns			

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Sheath	1.5 mm grey FireRes® sheath, UV stabilised, EN 50290-2-27

Fire rating

IEC 60332-1-2	Single vertical wire test,
IEC 60332-3-24 = IEC 332-3C	Vertically-mounted bunched wires and cables
IEC 60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

Heat of combustion

2 – 16 fibres	650 MJ/km	0.18 kWh/m
24 fibres	820 MJ/km	0.23 kWh/m

Physical properties

IEC 60794-1

Nominal outer diameter	-	2 - 16 fibres: 6 mm 18 - 24 fibres: 6.5 mm
Nominal weight	-	2 - 16 fibres: 35 kg/km 18 - 24 fibres: 45 kg/km
Tensile strength (dynamic)	E1	1000 N
Tensile strength (permanent)	E1	500 N
Compressive strength (crush)	E3	1500N
Torsion	E7	5 cycles ± 1 turn
Kink	E10	The cables do not form a kink when a loop is drawn together to a diameter 12 times the cable nominal diameter
Min. Bending radius	E11	R = 100 mm
Temperature range	F1	Storage and installation: -20°C to +55°C Operation: -5°C to +40°C The max. attenuation variation in the operational temperature range is: For M6 and M5 fibres: 0.5 dB/km For SM fibres: 0.2 dB/km

Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
o. request				

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