

UC^{FIBRE™} I S N LSHF-FR ES9 2.8 1

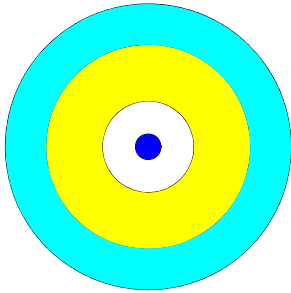
ES9 tight buffer, 1 fibre, aramid yarn, FireRes[®] sheath

DIN/VDE J-V(ZN)H

NO AXAI-I/P-28

FR COPSLK

DK



Application and Installation

Interconnect cabling

This cable features Draka's ES9 easy strippable tight buffer

LAN horizontal cabling

Patch cord cable, very well suited for mounting of SC connectors

Short distance data-, control- and video transmission

Internal wiring

Standards

EN 187 000

IEC 60794-2

IEC 60794-2-10

ISO 11801 2nd edition

EN 50 173-1

Construction

Fibre	1 ES9 tightly buffered fibre 900 µm ± 50 µm.	
Strength member	Ultra high modulus Aramid yarns	
Sheath	LSHF-FR fire retardant, UV stabilised sheathing material EN 50290-2-27	
Sheath colours	Cable with SM fibres	Yellow
	Cable with M5 fibres	Orange
	Cable with M6 fibres	Grey
	Cable with MaxCap-OM3 or MaxCap-OM4 fibres	Aqua

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

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

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Heat of combustion

160 MJ/km	0.05 kWh/m
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Physical properties

IEC 60974-1-2

Nominal diameter	-	2.8 mm
Nominal weight	-	9 kg/km
Tensile strength (permanent)	E1	150 N
Tensile strength (dynamic)	E1	300 N
Compressive strength (crush)	E3	3000 N
Impact	E4	3 Nm, R= 12.5 mm
Torsion	E7	5 cycles \pm 1 turn
Min. bending radius, short term unloaded	E11	R = 20 mm
<i>For version with BendBright^{XS} fibre:</i> Min. bending radius	E11	R = 7.5 mm R = 15 mm, 6 turns around a mandrel \varnothing 30 mm (maximum attenuation increase \leq 0.02 dB at 1550 nm). Maximum attenuation increase for R = 10 mm 0.1 dB/turn at 1550 nm. Maximum attenuation increase for R = 7.5 mm 0.5 dB/turn at 1550 nm.
Temperature range	F1	Operation and installation: -40°C to 70°C. Storage: -40°C to 70°C

Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
o. request	1	UCFIBRE I S N LSHF-FR ES9 2.8 1 MM52	OM2 50/125 multi mode 600/1200	C01a
o. request	1	UCFIBRE I S N LSHF-FR ES9 2.8 1 MM53	OM3 MaxCap-OM3 50/125 multi mode	C12
o. request	1	UCFIBRE I S N LSHF-FR ES9 2.8 1 MM61	OM1 62.5/125 multi mode	C02
o. request	1	UCFIBRE I S N LSHF-FR ES9 2.8 1 SM2D.P	OS2 Single mode	C18e
1019332	1	UCFIBRE I S N LSHF-FR ES9 2.8 1 SM7B	BendBright ^{XS} G.657. A2	C24

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