

UC^{FIBRE™} IT N LSHF-FR ES9 2.8 2

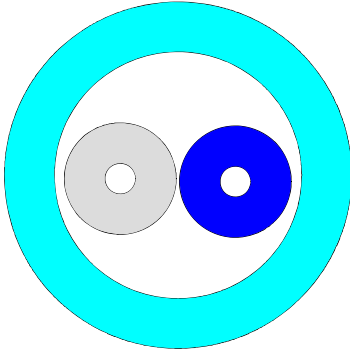
2 ES9 tight buffer, 2 fibres, aramid yarns, FireRes[®] sheath

DIN/VDE J-V(ZN)H 2X

NO

FR

DK



Application

LAN horizontal cabling

This cable features Draka's ES9 easy strippable tight buffer

Patch cord cable, very well suited for mounting of MT-RJ 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	2 ES9 tightly buffered fibres 900 µm ± 50 µm.	
Fibre colours	Fibre 1 Natural	
	Fibre 2 Blue	
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 OM3 and OM4 fibres	Aqua

Fire rating

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

UC^{FIBRE™} IT N LSHF-FR ES9 2.8 2

Heat of combustion

165 MJ/km	0.05 KWh/m
-----------	------------

Physical properties

IEC 60974-1-2

Nominal dimensions	-	2.8 mm ± 0.15 mm
Nominal weight	-	8 kg/km
Tensile strength (dynamic)	E1	450 N
Tensile strength (permanent)	E1	225 N
Compressive strength (crush)	E3	1000N
Impact	E4	2 Nm
Torsion	E7	5 cycles ± 1 turn
Min. bending radius	E11	R = 25 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 ø 30 mm (maximum attenuation increase ≤ 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 1.6 1 MM52	OM2 50/125 multi mode 600/1200	C01a
o. request	1	UCFIBRE I S N LSHF-FR ES9 1.6 1 MM53	OM3 MaxCap-OM3 50/125 multi mode	C12
o. request	1	UCFIBRE I S N LSHF-FR ES9 1.6 1 MM61	OM1 62.5/125 multi mode	C02
o. request	1	UCFIBRE I S N LSHF-FR ES9 1.6 1 SM2D	OS2 Single mode	C18e
o. request	1	UCFIBRE I S N LSHF-FR ES9 1.6 1 SM7B	BendBright ^{XS} G.657.A2	C24