

## UC<sup>FIBRE™</sup> ITN LSHF-FR ES9 2.0 2

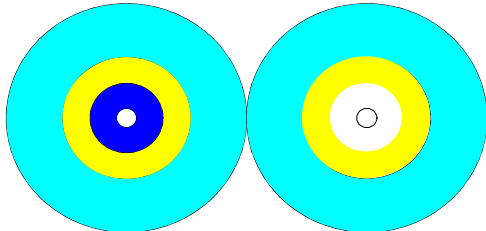
### ES9 tight buffer, 2 fibres, aramid yarn, FireRes<sup>®</sup> sheath

DIN/VDE J-V(ZN)H 2

NO AXAI-I/P-20

FR COPSLK

DK



### Application and Installation

Interconnect cabling

This cable features Draka's ES9 easy strippable tight buffer

Patch cord cable, very well suited for mounting small form factor connectors

Internal wiring

### Standards

EN 187 000  
IEC 60794-2  
IEC 60794-2-10  
ISO 11801 2<sup>nd</sup> edition  
EN 50 173-1

### Construction

Fibre	2 ES9 tightly buffered fibre 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 MaxCap-OM3 fibre or MaxCap-OM4 fibre	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

### Heat of combustion

180 MJ/km	0.05 kWh/m
-----------	------------

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

## UC<sup>FIBRE™</sup> IT N LSHF-FR ES9 2.0 2

### Physical properties

IEC 60974-1-2

Nominal diameter	-	2.0 x 4.2 mm
Nominal weight	-	9.0 kg/km
Tensile strength (dynamic)	E1	240 N
Tensile strength (permanent)	E1	120 N
Compressive strength (crush)	E3	2000 N
Impact	E4	1 Nm; R=12.5 mm
Torsion	E7	5 cycles ± 1 turn
Min. bBending radius	E11	R = 20 mm
<i>For version with BendBright<sup>XS</sup> fibre:</i> Min. bBending radius	E11	R= 7.5 mm R = 15 mm, 6 turns around a mandrel Øø 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	2	UCFIBRE IT N LSHF-FR ES9 2.0 2 MM52	OM2 50/125 multi mode 600/1200	C01a
o. request	2	UCFIBRE IT N LSHF-FR ES9 2.0 2 MM53	OM3 MaxCap-OM3 multi mode	C12
o. request	2	UCFIBRE IT N LSHF-FR ES9 2.0 2 MM61	OM1 62.5/125 multi mode	C02
1020667	2	UCFIBRE IT N LSHF-FR ES9 2.0 2 SM2D.P	OS2 Single mode	C18e
o. request	2	UCFIBRE IT N LSHF-FR ES9 2.0 2 SM7B	BendBright <sup>XS</sup> G.657.A2	C24

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