

## UC<sup>FIBRE™</sup> ITN LSHF-FR ES9 1.8 2

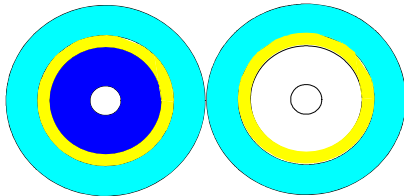
### ES9 tight buffer, 2 fibres, aramid yarns, FireRes<sup>®</sup> sheath

DIN/VDE J-V(ZN)H

NO AXAI

FR COPZLK

DK



### Application and Installation

Fits small form factor connectors e.g. MTRJ connector  
This cable features Draka's ES9 easy strippable tight buffer  
Patch cord cable  
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	Two ES9 buffered fibre 900 µm ± 50 µm (option 600 µm)	
Fibre colours	Fibre 1	Natural
	Fibre 2	Blue
Strength member	Ultra high modulus aramid yarns	
Sheath	0.3 mm LSZH 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

### Heat of combustion

136 MJ/km	0.04 kWh/m
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Note: The Draka policy of continuous improvement may cause in changed specifications without prior notice

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### Physical properties

IEC 60974-1-2

Nominal diameter	-	1.8 x 3.7 mm
Nominal weight	-	6.0 kg/km
Tensile strength (dynamic)	E1	240 N
Tensile strength (permanent)	E1	120 N
Compressive strength (crush)	E3	600 N (max. variation 0.05 dB) 1000 N (max. variation 0.5 dB)
Impact	E4	2 Nm
Torsion	E7	5 cycles $\pm$ 1 turn
Min. bending radius	E11	R = 25 mm
<i>For version with BendBright<sup>XS</sup> 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 1.8 1 MM52	OM2 50/125 multi mode 600/1200	C01a
o. request	1	UCFIBRE I S N LSHF-FR ES9 1.8 1 MM52	OM3 MaxCap-OM3 multi mode	C12
o. request	1	UCFIBRE I S N LSHF-FR ES9 1.8 1 MM61	OM1 62.5/125 multi mode	C02
o. request	1	UCFIBRE I S N LSHF-FR ES9 1.8 1 SM2D	OS2 Single mode	C18e
o. request	1	UCFIBRE I S N LSHF-FR ES9 1.8 1 SM7B	BendBright <sup>XS</sup> G.657.A2	C24