

UC^{FIBRE™} ITN LSHF-FR LS9 3.0 2

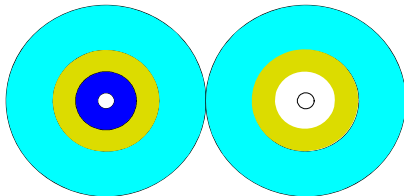
LS9 dry semi tight buffer, 2 fibres, aramid yarn, FireRes[®] sheath

DIN/VDE J-VH(ZN)H 2G

NO

FR

DK



Application and Installation

Patch cords and interconnect cables
This cable features Draka's LS9 Dry semi tight buffer
For fitting to connectors with a boot diameter of Ø3.0 mm

Standards

EN 187 000
IEC 60794-2
IEC 60794-2-10
ISO 11801 2nd edition
EN 50 173-1

Construction

Fibre	2 LS9 dry semi 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 MaxCap-OM3 and 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

315 MJ/km	0.1 KWh/m
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Physical properties

IEC 60794-1-2

Nominal dimensions	-	2.9 mm x 5.9 mm, in order to fit a boot of Ø3.0 mm
Nominal weight	-	20 kg/km
Tensile strength (dynamic)	E1	600 N
Tensile strength (permanent)	E1	300 N
Compressive strength (crush)	E3	6000 N
Impact	E4	5 Nm; R = 12.5 mm
Torsion	E7	5 cycles ± 1 turn
Min. bending radius	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 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: -0°C to 40°C. Storage: -20°C to 40°C

Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
1020379	2	UCFIBRE I T N LSHF-FR LS9 3.0 2 MM52	OM2 50/125 multi mode 600/1200	C01a
1020380	2	UCFIBRE I T N LSHF-FR LS9 3.0 2 MM53	OM3 MaxCap-OM3 multi mode	C12
1020378	2	UCFIBRE I T N LSHF-FR LS9 3.0 2 MM61	OM1 62.5/125 multi mode	C02
1020376	2	UCFIBRE I T N LSHF-FR LS9 3.0 2 SM2D	OS2 Single mode	C18e
1020377	2	UCFIBRE I T N LSHF-FR LS9 3.0 2 SM7B	BendBright ^{XS} G.657.A2	C24

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