

UC^{FIBRE™} ITN LSHF-FR ES9 3.0 2

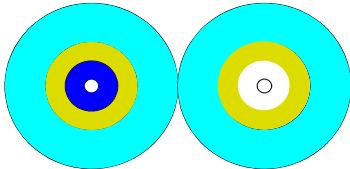
ES9 tight buffer, 2 fibres, aramid yarn, FireRes[®] sheath

DIN/VDE J-V(ZN)H 2

NO

FR

DK



Application and installation

Patch cords and interconnect cables
For fitting to connectors with a boot diameter of 3.0 mm
This cable features Draka's ES9 easy strippable tight buffer

Standards

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

Construction

Fibre	2 improved 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	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

350 MJ/km	0.1 KWh/m
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Physical properties

IEC 60974-1-2

Nominal dimensions	-	2.9 mm x 5.9 mm
Nominal weight	-	20 kg/km
Tensile strength (dynamic)	E1	600 N
Tensile strength (permanent)	E1	300 N
Compressive strength (crush)	E3	6000N
Impact	E4	5 Nm, R=12.5 N
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: -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
1019026	2	UCFIBRE IT N LSHF-FR T 3.0 2 MM52	OM2 50/125 multi mode 600/1200	C01a
1018382	2	UCFIBRE IT N LSHF-FR T 3.0 2 MM61	OM1 62.5/125 multi mode	C02
1019025	2	UCFIBRE IT N LSHF-FR T 3.0 2 SM2D.P	OS2 Single mode	C18e
o. request	2	UCFIBRE IT N LSHF-FR T 3.0 2 SM7B	BendBright ^{XS®} G.675. A / B	C24