

UC^{FIBRE™} ITN LSHF-FR ES9 2.0 2

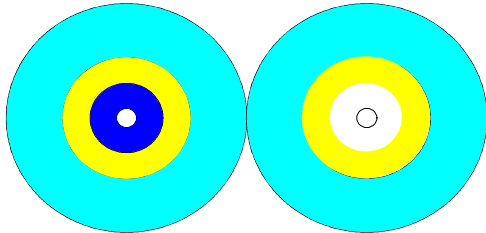
ES9 tight buffer, 2 fibres, aramid yarn, FireRes[®] sheath

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 2nd 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 MaxCap-BB-OM2 fibres	Orange
	Cable with M6 fibres	Grey
	Cable with MaxCap-BB-OM3 fibre or MaxCap-BB-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

180 MJ/km	0.05 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	-	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
For version with BendBright ^{XS} fibre: 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

Sheath marking

Draka UC^{FIBRE} ITN LSHF-FR ES9 2.0 2 <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark>J-V(ZN)H 2 <Fibre family> <Mode field diameter> /125 <Transmission Class> G <fibre count> <Mode field diameter>/125 AXAI-I/P-20

There is approximately 10cm space between the three blocks of text. Text string repeats every meter of the cable.

Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
1021959	2	UC ^{FIBRE} ITN LSHF-FR ES9 2.0 2 OM2B	MaxCap-BB-OM2 50/125 multi mode 500/500	C34
1021961	2	UC ^{FIBRE} ITN LSHF-FR ES9 2.0 2 OM3B	MaxCap-BB-OM3 multi mode	C31
1021974	2	UC ^{FIBRE} ITN LSHF-FR ES9 2.0 2 MM61	OM1 62.5/125 multi mode	C02
1020667	2	UC ^{FIBRE} ITN LSHF-FR ES9 2.0 2 SM2D.P	OS2 Single mode	C18e
1021958	2	UC ^{FIBRE} ITN LSHF-FR ES9 2.0 2 SM7B	BendBright ^{XS} G.657.A2	C24

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