

UC^{FIBRE™} I FL N LSHF-FR ES9 2.0 2

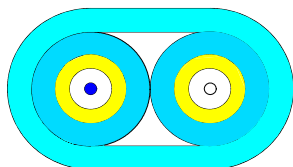
ES9 tight buffer, 2 fibres, aramid yarn, FireRes[®] sheath

DIN/VDE J-V(ZN)HH 2

NO

FR COPFLK

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	
Unit	Zipcord 2 x ø2.0 mm	
Unit sheath	Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised	
Common sheath	Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised	
Unit and sheath colours	Cable with SM fibres	Yellow RAL 1021
	Cable with MaxCap-BB-OM2 fibres	Orange RAL 2003
	Cable with M6 fibres	Grey RAL 7037
	Cable with MaxCap-BB-OM3 fibre or MaxCap-BB-OM4 fibre	Aqua RAL 6027

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

320 MJ/km	0.09 kWh/m
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Physical properties

IEC 60974-1-2

Nominal diameter	-	3 x 5 mm
Nominal weight	-	18 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 ± 1 turn
Min. bending radius	E11	R = 25 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

Sheath marking

Draka UC^{FIBRE} I FL N LSHF-FR ES9 2.0 2 <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> J-V(ZN)HH 2 <Fibre family> <Mode field diameter> /125 <Transmission Class>

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
1021966	2	UC ^{FIBRE} I FL N LSHF-FR ES9 2.0 2 OM2B	MaxCap-BB-OM2 50/125	C34
1021967	2	UC ^{FIBRE} I FL N LSHF-FR ES9 2.0 2 OM3B	MaxCap-BB-OM3 multi mode	C31
	2	UC ^{FIBRE} I FL N LSHF-FR ES9 2.0 2 OM4B	MaxCap-BB-OM4 multi mode	C32
1020796	2	UC ^{FIBRE} I FL N LSHF-FR ES9 2.0 2 MM61	OM1 62.5/125 multi mode	C02
1020982	2	UC ^{FIBRE} I FL N LSHF-FR ES9 2.0 2 SM2D.P	OS2 Single mode	C18e
1021968	2	UC ^{FIBRE} I FL N LSHF-FR ES9 2.0 2 SM7B	BendBright ^{XS} G.657.A2	C24

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