

UC^{FIBRE™} ITN LSHF-FR ES9 2.8 2

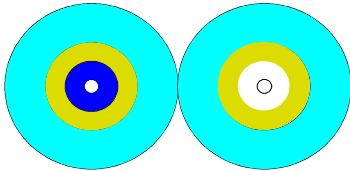
ES9 tight buffer, 2 fibres, aramid yarn, FireRes[®] sheath

DIN/VDE J-V(ZN)H 2

NO AXAI-I/P-28

FR COPZLK

DK



Application and Installation

Interconnect cabling

This cable features Draka's ES9 easy strippable tight buffer

LAN horizontal cabling

Patch cord cable, very well suited for mounting of SC connectors

Short distance data-, control- and video transmission

Internal wiring

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	
	Cable with SM fibres	Yellow, RAL 1021
	Cable with MaxCap-BB-OM2 fibers	Orange, RAL 2003
	Cable with M6 fibres	Grey, RAL 7037
	Cable with MaxCap-BB-OM3 and MaxCap-BB-OM4 fibres	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

315 MJ/km	0.1 KWh/m
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Physical properties

IEC 60794-1-2

Nominal dimensions	-	2.8 mm x 5.7 mm
Nominal weight	-	16 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
For version with BendBright ^{XS} fibre: 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} | S N LSHF-FR ES9 2.8 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-28

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
1021955	2	UC ^{FIBRE™} T N LSHF-FR ES9 2.8 2 OM2B	OM2 MaxCap-BB-OM2 50/125	C34
1021956	2	UC ^{FIBRE™} T N LSHF-FR ES9 2.8 2 OM3B	OM3 MaxCap-BB-OM3	C31
1024006o.	2	UC ^{FIBRE™} T N LSHF-FR ES9 2.8 2 OM4B	OM4 MaxCap-BB-OM4	C32
1021652	2	UC ^{FIBRE™} T N LSHF-FR ES9 2.8 2 MM61	OM1 62.5/125 multi mode	C02
1020476	2	UC ^{FIBRE™} T N LSHF-FR ES9 2.8 2 SM2D,P	OS2 Single mode	C18e
1021957	2	UC ^{FIBRE™} T N LSHF-FR ES9 2.8 2 SM7B	BendBright ^{XS} G.657. A2	C24

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