

UC^{FIBRE™} I B N LSHF-FR ES9 2.1 4

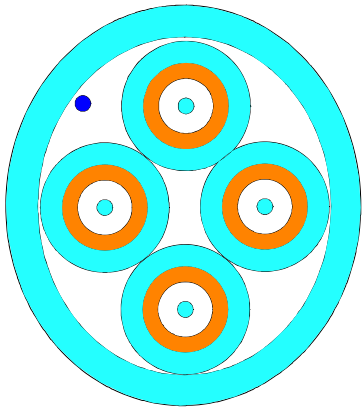
Flexible break out cable with 4 ES9 tightly buffered fibres, aramid yarn, FireRes[®] sheath

DIN/VDE I-V(ZN)HH 4

NO AIAI-I

FR

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Application and Installation

Interconnect cabling
LAN horizontal cabling
Patch cord cable
Short distance data-, control- and video transmission
Internal wiring in data centres

Standards

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

Construction

Fibre	4 ES9 easily strippable tightly buffered fibres 900 µm ± 50 µm.	
Fibre color	Natural	
Unit strength member	Ultra high modulus Aramid yarns	
Unit sheath	FireRes [®] LSHF-FR fire retardant, UV stabilised sheathing material EN 50290-2-27, units in same colours as outer sheath.	
Unit dimension	Nominal ø2.1 mm	
Unit identification	The 4 units are marked with 1, 2,3 and 4 respectively per 100 mm along the unit	
Ripcord	1	
Outer sheath	FireRes [®] LSHF-FR fire retardant, UV stabilised sheathing material EN 50290-2-27	
Sheath colours According to IEC 60794-2	Cable with SM fibres Cable with M5 fibres Cable with M6 fibres Cable with OM3 and OM4 fibres	Yellow Orange Grey Aqua

Note: The Draka policy of continuous improvement may cause in changed specifications without prior notice

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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

510 MJ/km	O.14 KWh/m
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Physical properties

IEC 60794-1-2

Nominal dimensions	-	Ø 6 mm
Nominal weight	-	30 kg/km
Tensile strength (dynamic)	E1	850 N
Tensile strength (permanent)	E1	425 N
Compressive strength (crush)	E3	3000 N
Impact	E4	10 Nm; R = 300 mm
Torsion	E7	5 cycles ± 1 turn
Kink		No kink
Min. Bending radius	E11	R = 20 mm
Temperature range	F1	Operation and installation: -20°C to 60°C. Storage: -20°C to 60°C

Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
o. request	4	UC ^{FIBRE} I B N LSHF-FR T 2.1 2 MM52	OM2 50/125 multi mode	C01a
o. request	4	UC ^{FIBRE} I B N LSHF-FR T 2.1 4 MM53	OM3 MaxCap [®] 300	C12
o. request	4	UC ^{FIBRE} I B N LSHF-FR T 2.1 4 MM62	OM1 62.5/125 multi mode	C02
o. request	4	UC ^{FIBRE} I B N LSHF-FR T 2.1 4 SM2D	OS2 Single mode	C18e
o. request	4	UC ^{FIBRE} I B N LSHF-FR T 2.1 4 SM7B	BendBright ^{®XS} G.675. A / B	C24

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