



## UC<sup>FIBRE™</sup> I B N LSHF-FR ES9 2.1 2

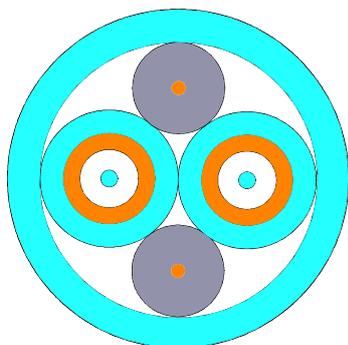
**Flexible break out cable with 2 ES9 tightly buffered fibres, aramid yarn, FireRes<sup>®</sup> sheath**

DIN/VDE J-V(ZN)HH 2

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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 2<sup>nd</sup> edition  
EN 50 173-1

### Construction

Fibre	2 ES9 tightly buffered fibres 900 µm ± 50 µm.		
Fibre color	Natural		
Unit strength member	Ultra high modulus Aramid yarns		
Unit sheath	FireRes <sup>®</sup> 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 2 units are marked with 1 and 2 respectively per 100 mm along the unit		
Filler	2 Ø 1.4 mm LSHF-FR, EN 50290-2-27, colour grey		
Ripcord	1		
Outer sheath	FireRes <sup>®</sup> LSHF-FR fire retardant, UV stabilised sheathing material EN 50290-2-27		
Sheath colours according to IEC 60794-2	Cable with SM fibres	Yellow	RAL 1021
	Cable with M5 fibres	Orange	RAL 2003
	Cable with M6 fibres	Grey	RAL 7037
	Cable with OM3 and OM4 fibres	Aqua	RAL 6027

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

475 MJ/km	0.13 KWh/m
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### Physical properties

IEC 60794-1-2

Nominal dimensions	-	Ø 5.5 mm
Nominal weight	-	30 kg/km
Tensile strength (dynamic)	E1	500 N
Tensile strength (permanent)	E1	250 N
Compressive strength (crush)	E3	3000 N
Impact	E4	5 Nm; R = 12.5 mm
Torsion	E7	5 cycles ± 1 turn
Min. Bending radius	E11	R = 15 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	2	UC <sup>FIBRE</sup> I B N LSHF-FR ES9 2.1 2 MM51	OM2 50/125 multi mode	C23
o. request	2	UC <sup>FIBRE</sup> I B N LSHF-FR ES9 2.1 2 MM53	OM3 MaxCap-OM3	C12
o. request	2	UC <sup>FIBRE</sup> I B N LSHF-FR ES9 2.1 2 MM62	OM1 62.5/125 multi mode	C02
o. request	2	UC <sup>FIBRE</sup> I B N LSHF-FR ES9 2.1 2 SM2D	OS2 Single mode	C18e
o. request	2	UC <sup>FIBRE</sup> I B N LSHF-FR ES9 2.1 2 SM7B	BendBright <sup>XS</sup> G.675. A / B	C24

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