

## UC<sup>FIBRE™</sup> ITN LSHF-FR ES9 3.0 2

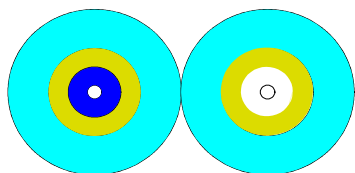
### ES9 tight buffer, 2 fibres, aramid yarn, FireRes<sup>®</sup> sheath

DIN/VDE J-V(ZN)H 2

NO AXAI-I/P-29

FR

DK



### Application and installation

Patch cords and interconnect cables  
For fitting to connectors with a boot diameter of 3.0 mm  
This cable features Draka's ES9 easy strippable tight buffer

### 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 improved tightly buffered fibres 900 µm ± 50 µm.	
Fibre colours	Fibre 1	Natural
	Fibre 2	Blue
Strength member	Ultra high modulus aramid yarns	
Sheath	Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised	
	Cable with SM fibres	Yellow, RAL 1021
	Cable with M5 fibres MaxCap-BB-OM2	Orange, RAL 2003
	Cable with M6 fibres	Grey, RAL 7037
	Cable with MaxCap-BB-OM3 and MaxCap-BB-OM4	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

### Heat of combustion

350 MJ/km	0.1 KWh/m
-----------	-----------

## UC<sup>FIBRE™</sup> ITN LSHF-FR ES9 3.0 2

### Physical properties

IEC 60974-1-2

Nominal dimensions	-	2.9 mm x 5.9 mm
Nominal weight	-	20 kg/km
Tensile strength (dynamic)	E1	600 N
Tensile strength (permanent)	E1	300 N
Compressive strength (crush)	E3	6000N
Impact	E4	5 Nm, R=12.5 N
Torsion	E7	5 cycles ± 1 turn
Min. bending radius	E11	R = 20 mm
For version with BendBright <sup>XS®</sup> 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<sup>FIBRE</sup> ITN LSHF-FR ES9 3.0 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 2 <Mode field diameter>/125 AXAI-I/P-30

*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
o. request	2	UC <sup>FIBRE</sup> ITN LSHF-FR ES9 3.0 2 OM2B	OM2 MaxCap-BB-OM2 50/125	C34
o. request	2	UC <sup>FIBRE</sup> ITN LSHF-FR ES9 3.0 2 MM61	OM1 62.5/125 multi mode	C02
o. request	2	UC <sup>FIBRE</sup> ITN LSHF-FR ES9 3.0 2 SM2D.P	OS2 Single mode	C18e
1026171	2	UC <sup>FIBRE</sup> ITN LSHF-FR ES9 3.0 2 SM7B	BendBright <sup>XS®</sup> G.657. A2	C24