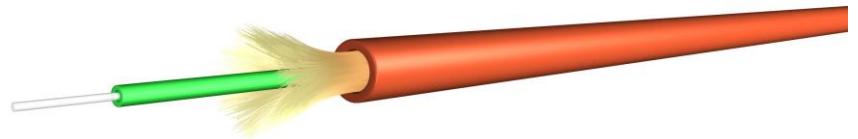
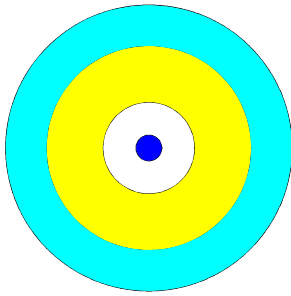


## D28: UC<sup>FIBRE™</sup> semi tight cable ø1.8 mm

Assembly cable with 1 LS9 buffered fibre, aramid yarn, FireRes<sup>®</sup> sheath. VDE: J-V(ZN) H 1



### Application and installation

Interconnect cabling

This cable features Draka LS9 easy strippable tight buffer

Patch cord cable, very well suited for mounting of small form factor connectors

Internal wiring

### Standards

EN 187 000, IEC 60794-2, IEC 60794-2-10, ISO 11801 2<sup>nd</sup> edition, EN 50 173-1

### Flame resistance

LSHF-FR (FRNC): IEC 60332-1; IEC 60332-3-24; IEC 60754-2; IEC 61034

### Construction

Fibre	1 LS9 dry semi tightly buffered fibre 900 µm ± 50 µm	
Fibre colour	Natural	
Strength member	Ultra high modulus aramid yarns	
Sheath	Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised	
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 and MaxCap-BB-OM4 fibres	Aqua, RAL 6027
Sheath marking	Draka UC <sup>FIBRE</sup> I S N LSHF-FR LS9 1.8 1<Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> J-V(ZN)H 1 <Fibre family> <Mode field diameter> /125 <Transmission Class> G1 <Mode field diameter>/125 AXAI-I/P-18	

# D28: UC<sup>FIBRE™</sup> semi tight cable ø1.8 mm

## Physical properties

IEC 60794-1-2

Attribute	Method	Limits
Nominal dimensions	-	1.8 mm
Nominal weight	-	3 kg/km
Tensile strength (dynamic)	E1	100 N
Tensile strength (permanent)	E1	50 N
Compressive strength (crush)	E3	2000 N
Impact	E4	1 Nm; R = 12.5 mm
Torsion	E7	5 cycles ± 1 turn
Min. Bending radius	E11	R = 25 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: -20°C to 70°C
Heat of combustion	-	70 MJ/km 0.02 kWh/m

## Product codes – ordering information

Prysmian Group material code	Prysmian Group material description	Draka material code	Fibre count	Fibre type	Fibre data sheet
	UC <sup>FIBRE™</sup> I S N LSHF-FR LS9 1.8 1 OM2B		1	OM2 MaxCap-BB-OM2	C34
60019195	UC <sup>FIBRE™</sup> I S N LSHF-FR LS9 1.8 1 OM3B	1020394	1	OM3 MaxCap-BB-OM3	C31
	UC <sup>FIBRE™</sup> I S N LSHF-FR LS9 1.8 1 OM4B		1	OM4 MaxCap-BB-OM4	C32
60019193	UC <sup>FIBRE™</sup> I S N LSHF-FR LS9 1.8 1 MM61	1020392	1	OM1 62.5/125 multimode	C02
60019191	UC <sup>FIBRE™</sup> I S N LSHF-FR LS9 1.8 1 SM2D.P	1020390	1	OS2 Singlemode	C18e
60019192	UC <sup>FIBRE™</sup> I S N LSHF-FR LS9 1.8 1 SM7B	1020391	1	BendBright <sup>XS</sup> G.657.A2	C24

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