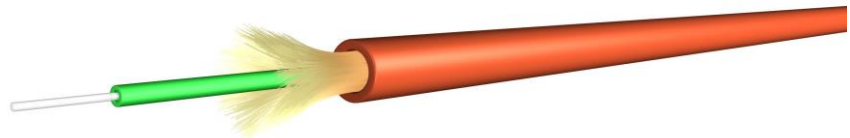
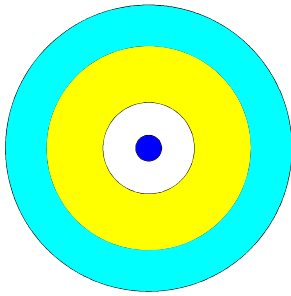


## D04c: UC<sup>FIBRE</sup>™ Simplex ø2.8 mm Cable

**Assembly Cca-s1a-d1-a1 cable with 1 ES9 buffered fibre, aramid yarn, FireRes<sup>®</sup> sheath. VDE: J-V(ZN)H 1**



### Application and installation

- Interconnect cabling
- This cable features Draka 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
- It has very high flame retardance CPR Class-Cca performance

### Standards

EN 187 000, IEC 60794-2, IEC 60794-2-10, ISO 11801-1, EN 50 173-1, EN 50575

### Flame resistance

LSHF-FR (FRNC): IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034, EN 50399 Class Cca-s1a-d1-a1, Class Dca, Class Eca

### Construction

Fibre	1 ES9 easily strippable tightly buffered fibres 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 1018
	Cable with MaxCap-BB-OM3	Aqua, RAL 6027
	Cable with MaxCap-BB-OM4	Erika-Violet, RAL 4003
	Cable with WideCap-OM5	Lime-Green
Sheath marking	Draka UC <sup>FIBRE</sup> I S LSHF-FR Cca-s1a-d1-a1 ES9 2.8 1 <Fibre type><Fibre brand><Item No><factory code><Batch Number><Meter mark> J-V(ZN)H 1 <Fibre family> <Mode field diameter> /125	

# D04c: UC<sup>FIBRE</sup><sup>TM</sup> Simplex ø2.8 mm Cable

## Physical properties

IEC 60794-1-21/22

Attribute	Method	Limits
Nominal dimensions	-	2.8 ± 0.1 mm
Nominal weight	-	9 kg/km
Tensile strength (dynamic)	E1	400 N (fibre strain ≤ 0.6%)
Tensile strength (permanent)	E1	150 N (fibre strain ≤ 0.2%)
Compressive strength (crush)	E3	3000 N
Impact	E4	1 Nm; R = 12.5 mm
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
Heat of combustion	-	160 MJ/km 0.05 kWh/m

## Product codes – ordering information

Product code	DoP Number*	Product description	Fibre count	Fibre type	Fibre data sheet
60019647		UC <sup>FIBRE</sup> <sup>TM</sup> I S LSHF-FR ES9 2.8 1 MM61	1	OM1 62.5/125	C02
60020338		UC <sup>FIBRE</sup> <sup>TM</sup> I S LSHF-FR ES9 2.8 1 OM2B	1	MaxCap-BB-OM2	C34
60020340		UC <sup>FIBRE</sup> <sup>TM</sup> I S LSHF-FR ES9 2.8 1 OM3B	1	MaxCap-BB-OM3	C31
60020339		UC <sup>FIBRE</sup> <sup>TM</sup> I S LSHF-FR ES9 2.8 1 OM4B	1	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> <sup>TM</sup> I S LSHF-FR ES9 2.8 1 OM5B	1	WideCap-OM5	C39
60019395		UC <sup>FIBRE</sup> <sup>TM</sup> I S LSHF-FR ES9 2.8 1 SM7A1.P	1	OS2 BendBright G.657.A1 – tight geometry	C38
60050263		UC <sup>FIBRE</sup> <sup>TM</sup> I S LSHF-FR ES9 2.8 1 SM7B.P	1	OS2 BendBright <sup>XS</sup> G.657. A2 – tight geometry	C25

\*DoP Numbers are per product code and any DoP number proves CPR approval for the cable. DoP files can be downloaded from the website: [www.prysmiangroup.com/cpr](http://www.prysmiangroup.com/cpr)

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