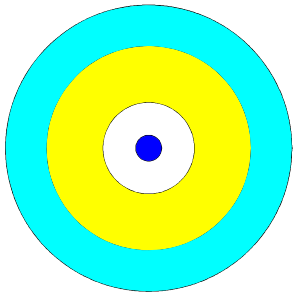
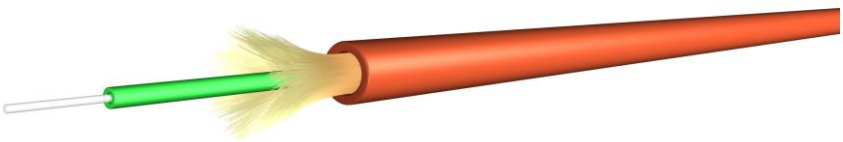
D04c: UC$^{FIBRE™}$ Simplex ø2.8 mm Cable

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





C_{ca} CPR | D_{ca} CPR | E_{ca} CPR

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^{FIBRE} 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	

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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^{XS} 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$^{FIBRE™}$ I S LSHF-FR ES9 2.8 1 MM61	1	OM1 62.5/125	C02
60020338		UC$^{FIBRE™}$ I S LSHF-FR ES9 2.8 1 OM2B	1	MaxCap-BB-OM2	C34
60020340		UC$^{FIBRE™}$ I S LSHF-FR ES9 2.8 1 OM3B	1	MaxCap-BB-OM3	C31
60020339		UC$^{FIBRE™}$ I S LSHF-FR ES9 2.8 1 OM4B	1	MaxCap-BB-OM4	C32
		UC$^{FIBRE™}$ I S LSHF-FR ES9 2.8 1 OM5B	1	WideCap-OM5	C39
60019395		UC$^{FIBRE™}$ I S LSHF-FR ES9 2.8 1 SM7A1.P	1	OS2 BendBright G.657.A1 – tight geometry	C38
60050263		UC$^{FIBRE™}$ I S LSHF-FR ES9 2.8 1 SM7B.P	1	OS2 BendBright^{XS} 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*