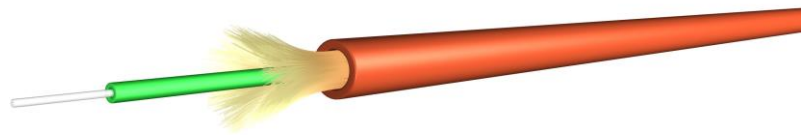
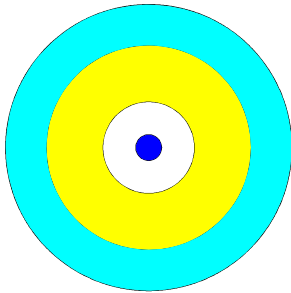


D10d: UC^{FIBRE™} Simplex ø2.0 mm B2ca Cable

Assembly B2ca-s1a-d1-a1 cable with 1 ES9 tight buffered fibre, aramid yarn, FireRes[®] sheath. VDE: J-V(ZN)H 1



Application and installation

Interconnect cabling

This cable features Draka ES9 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 11801-1, EN 50 173-1, EN 50575

Flame resistance

LSHF-FR (FRNC): IEC 60332-1-2; IEC 60332-3-24; IEC 60754-2; IEC 61034; EN 50399 Class B2ca-s1ad1a1, Class Cca, Class Dca, Class Eca

Construction

Fibre	1 ES9 easily strippable tightly buffered fibres 900 µm ± 50 µm	
Fibre colour	White or 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 Singlemode Cable with MaxCap-BB-OM3 Cable with MaxCap-BB-OM4 Cable with WideCap-OM5	Yellow, RAL 1018 Aqua, RAL 6027 Erika violet RAL 4003 Lime Green
Sheath marking	Draka UC ^{FIBRE} I S LSHF-FR B2ca-s1a-d1-a1 ES9 2.0 1 <Fibre type><Fibre brand><Item No><factory code><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-20	

D10d: UC^{FIBRE™} Simplex ø2.0 mm B2ca Cable

Physical properties

IEC 60794-1-21/22

Attribute	Method	Limits
Nominal dimensions	-	2.0 mm +0.0 mm -0.2 mm
Nominal weight	-	4.5 kg/km
Tensile strength (dynamic)	E1	150 N (fibre strain ≤ 0.6%)
Tensile strength (permanent)	E1	75 N (fibre strain ≤ 0.2%)
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 ^{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	-	70 MJ/km 0.02 kWh/m

Product codes – ordering information

Product code	DoP Number*	Product description	Fibre count	Fibre type	Fibre data sheet
60082261	1010120	UC ^{FIBRE™} I S LSHF-FR B2 ES9 2.0 1 MM61	1	OM1 62.5/125	C02
60082266	1010131	UC ^{FIBRE™} I S LSHF-FR B2 ES9 2.0 1 OM2B	1	MaxCap-BB-OM2	C34
		UC ^{FIBRE™} I S LSHF-FR B2 ES9 2.0 1 OM3B	1	MaxCap-BB-OM3	C31
		UC ^{FIBRE™} I S LSHF-FR B2 ES9 2.0 1 OM4B	1	MaxCap-BB-OM4	C32
60082267	1010132	UC ^{FIBRE™} I S LSHF-FR B2 ES9 2.0 1 OM5B	1	WideCap-OM5	C39
60078102	1009924	UC ^{FIBRE™} I S LSHF-FR B2 ES9 2.0 1 SM7A1.P	1	OS2 - G.657.A1 – tight geometry	C18
60082268	1010133	UC ^{FIBRE™} I S LSHF-FR B2 ES9 2.0 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

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