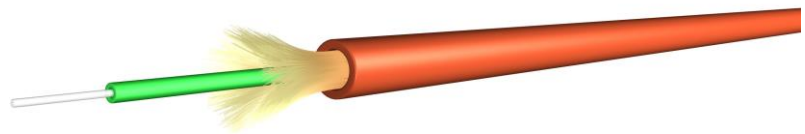
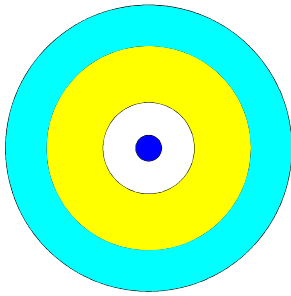


D10d: UC^{FIBRE}TM single fibre cable ø2.0 mm

Assembly cable with 1 ES9 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 2nd 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 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 Cable with MaxCap-BB-OM2 fibers Cable with M6 fibres Cable with MaxCap-BB-OM3 and MaxCap-BB-OM4 fibres Cable with WideCap-BB-OM4W fibres	Yellow, RAL 1021 Orange, RAL 2003 Grey, RAL 7037 Aqua, RAL 6027 Erika violet RAL 4003
Sheath marking	Draka UC ^{FIBRE} I S N LSHF-FR ES9 2.0 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-20	

D10d: UC^{FIBRE™} single fibre cable ø2.0 mm

Physical properties

IEC 60794-1-2

Attribute	Method	Limits
Nominal dimensions	-	2.0 mm +0.0 mm -0.2 mm
Nominal weight	-	4.5 kg/km
Tensile strength (dynamic)	E1	120 N
Tensile strength (permanent)	E1	60 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 ^{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

Prysmian Group material code	Prysmian Group material description	Fibre count	Fibre type	Fibre data sheet
60019174	UC ^{FIBRE™} I S N LSHF-FR ES9 2.0 1 MM61	1	OM1 62.5/125 multi mode	C02
60019447	UC ^{FIBRE™} I S N LSHF-FR ES9 2.0 1 OM2B	1	MaxCap-BB-OM2	C34
60019651	UC ^{FIBRE™} I S N LSHF-FR ES9 2.0 1 OM3B	1	MaxCap-BB-OM3	C31
	UC ^{FIBRE™} I S N LSHF-FR ES9 2.0 1 OM4B	1	MaxCap-BB-OM4	C32
60050603	UC ^{FIBRE™} I S N LSHF-FR ES9 2.0 1 OM4BW	1	WideCap-BB-OM4W	C39
60019677	UC ^{FIBRE™} I S N LSHF-FR ES9 2.0 1 SM2D.P	1	OS2 Single mode	C18e
60019448	UC ^{FIBRE™} I S N LSHF-FR ES9 2.0 1 SM7B	1	BendBright ^{XS} G.657. A2	C24

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