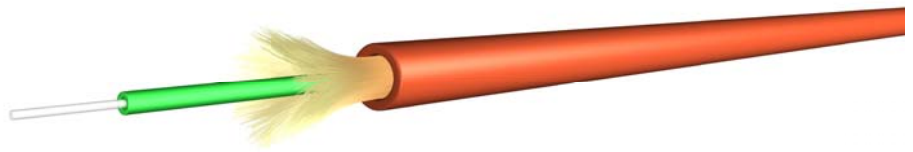
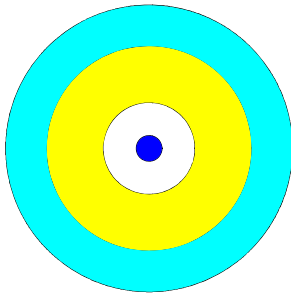


D08a: UC^{FIBRE™} single fibre cable ø1.6 mm

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 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	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 ^{FIBRE} S N LSHF-FR ES9 1.6 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-16	

D08a: UC^{FIBRE™} single fibre cable ø1.6 mm

Physical properties

IEC 60794-1-2

Attribute	Method	Limits
Nominal dimensions	-	1.6 mm
Nominal weight	-	4 kg/km
Tensile strength (dynamic)	E1	100 N
Tensile strength (permanent)	E1	-
Compressive strength (crush)	E3	1000 N
Impact	E4	-
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	-	70 MJ/km 0.01 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 ^{FIBRE™} I S N LSHF-FR ES9 1.6 1 OM2B		1	OM2 MaxCap-BB-OM2	C34
	UC ^{FIBRE™} I S N LSHF-FR ES9 1.6 1 OM3B		1	OM3 MaxCap-BB-OM3	C31
	UC ^{FIBRE™} I S N LSHF-FR ES9 1.6 1 OM4B		1	OM4 MaxCap-BB-OM4	C32
	UC ^{FIBRE™} I S N LSHF-FR ES9 1.6 1 MM61		1	OM1 62.5/125 multi mode	C02
	UC ^{FIBRE™} I S N LSHF-FR ES9 1.6 1 SM2D.P		1	OS2 Single mode	C18e
	UC ^{FIBRE™} I S N LSHF-FR ES9 1.6 1 SM7B		1	BendBright ^{XS} G.657. A2	C24

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