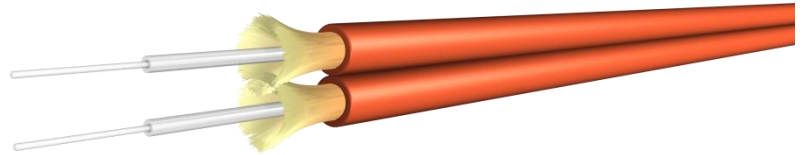
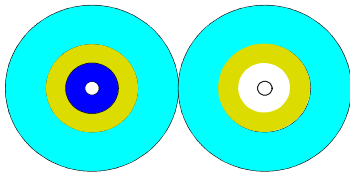


D01d: UC^{FIBRE}TM tight cord 3.0 mm x 2

Assembly cable with 2 ES9 buffered fibres, aramid yarn, FireRes[®] sheath. VDE: J-V(ZN) H 2



Application and installation

Interconnect cabling
LAN horizontal cabling
Patch cord cable, very well suited for mounting of SC connectors,
For fitting to connectors with a boot diameter of $\varnothing 3.0$ mm
Short distance data-, control- and video transmission
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	2 ES9 easily strippable tightly buffered fibres 900 $\mu\text{m} \pm 50 \mu\text{m}$	
Fibre colours	Fibre 1 Natural	
	Fibre 2 Blue	
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 fibers	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} I T N LSHF-FR ES9 3.0 2<Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> J-V(ZN)H 2 <Fibre family> <Mode field diameter> /125 <Transmission Class> G <fibre count> <Mode field diameter>/125 AXAI-I/P-30	

D01d: UC^{FIBRE™} tight cord 3.0 mm x 2

Physical properties

Attribute	Method	Limits
Nominal dimensions	-	2.9 mm x 5.9 mm, in order to fit a boot of ø3.0 mm
Nominal weight	-	15 kg/km
Tensile strength (dynamic)	E1	600 N
Tensile strength (permanent)	E1	300 N
Compressive strength (crush)	E3	6000 N
Impact	E4	5 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	-	240 MJ/km 0.07 kWh/m

Product codes – ordering information

Prysmian Group material code	Prysmian Group material description	Draka material code	Fibre count	Fibre type	Fibre data sheet
60020092	UC ^{FIBRE™} I T LSHF-FR ES9 3.0 2 OM2B	1026830	2	OM2 MaxCap-BB-OM2	C34
	UC ^{FIBRE™} I T LSHF-FR ES9 3.0 2 OM3B		2	OM3 MaxCap-BB-OM3	C31
	UC ^{FIBRE™} I T LSHF-FR ES9 3.0 2 OM4B		2	OM4 MaxCap-BB-OM4	C32
60020038	UC ^{FIBRE™} I T LSHF-FR ES9 3.0 2 MM61	1026568	2	OM1 62.5/125 multimode	C02
	UC ^{FIBRE™} I T LSHF-FR ES9 3.0 2 SM2D.P		2	OS2 Singlemode	C18e
60019920	UC ^{FIBRE™} I T LSHF-FR ES9 3.0 2 SM7B	1026171	2	BendBright ^{XS} G.657. A2	C24

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