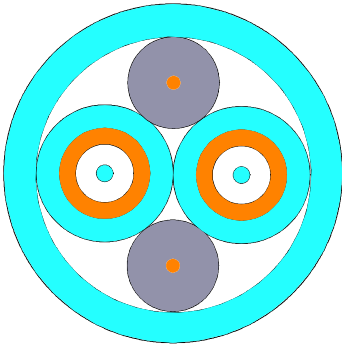


D23: UC^{FIBRE™} 2-Fibre Break-out Cable

**Indoor, flexible, break-out cable with 2 ES9 tightly buffered fibres, aramid yarn, FireRes[®] sheath.
VDE: J-V(ZN)HH 2**



Application and Installation

Interconnect cabling
LAN horizontal cabling
Patch cord cable
Short distance data-, control- and video transmission
Internal wiring in data centres

Standards

EN 187 000, IEC 60794-2, IEC 60794-2-10, ISO 11801-1, EN 50 173-1

Flame Resistance

EN 50399: Class Class D_{ca} s2d2a1, Class E_{ca}
LSHF-FR (FRNC): IEC 60332-1-2; IEC 60332-3-24, IEC 60754-2; IEC 61034

Construction

ø2.1 mm unit	ES9 tightly buffered fiber 900 µm ± 50 µm Aramid yarn strength member LSZH sheath, in the same colour as the outer sheath, marked with unit number	
2 units	Stranded together with 2 fillers	
Ripcord	Polyester	
Sheath colours	Cable with SM fibres: BendBright ^{XS} G.657.A2, BendBright G.657.A1	Yellow, RAL 1018
	Cable with M6-OM1	Grey, RAL 7037
	Cable with MaxCap-BendBright-OM2	Orange, RAL 2009
	Cable with MaxCap-BendBright-OM3	Aqua, RAL 6027
	Cable with MaxCap-BendBright-OM4	Erika-Violet, RAL 4003
	Cable with BendBright WideCap-OM5	Lime-Green
Sheath	Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised	
Sheath marking	Draka UC ^{FIBRE} I B LSHF-FR Dca s2d2a1 ES9 2.1 2 <Fibre type><Fibre brand><Item No><factory code><Batch Number><Meter mark> J-V(ZN)HH 2 <Fibre family> <Mode field diameter> /125 <Transmission Class>	

D23: UC^{FIBRE}™ 2-Fibre Break-out Cable

Physical Properties

IEC 60974-1-21/22

Attribute	Method	Limits	
Fibre count		2	
Nominal diameter [mm]	-	5.5	
Nominal weight [kg/km]	-	30	
Maximum installation load (a few hours) [N]	-	-	
Short term tensile strength (some days) [N]	E1	500	
Permanent tensile strength [N]	E1	250	
Impact [J]	E4	5, R= 12.5 mm	
Crush (compressive strength)	E3	3000 N/ 100 mm	
Torsion	E7	5 cycles ± 1 turn	
Minimum bending radius	E11	15 mm	
Minimum bending radius under tension	E18A	-	
Temperature range	F1	Operation and installation	-20 °C to 60 °C
		Storage	-20 °C to 70 °C
Minimum bending radius of the 2.1 mm units	G01	With standard fibres	20 mm
		With MaxCap-BB-OMx fibres	7.5 mm
		With BendBright-XS fibers:	7.5 mm
Heat of combustion [MJ/km] – [kW/m]			475
			0.13

Product Codes

Product code	DoP Number*	Product description	Fibre count	Fibre type	Fibre data sheet
		UC ^{FIBRE} I B LSHF-FR ES9 2.1 2 OM3B	2	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I B LSHF-FR ES9 2.1 2 OM4B	2	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I B LSHF-FR ES9 2.1 2 OM5B	2	WideCap-OM5	C39
		UC ^{FIBRE} I B LSHF-FR ES9 2.1 2 SM7A1	2	OS2 - BendBright G.657.A2	C17
		UC ^{FIBRE} I B LSHF-FR ES9 2.1 2 SM7B	2	OS2 - BendBright ^{XS} G.657.A2	C24

*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