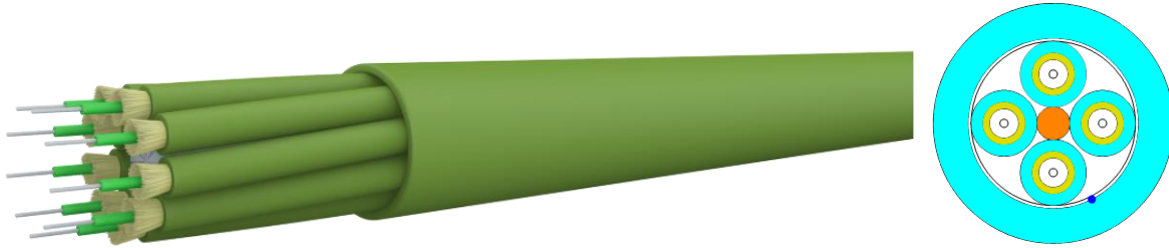


D03b: UC^{FIBRE™} Break-out Cable

Indoor, break-out cable with ES9 tight buffer in $\varnothing 2.0$ mm units, 2-24 fibres and FireRes[®] sheath, VDE: J-V(ZN)HH



Application and Installation

This break-out or heavy duty tightly buffered cable features $\varnothing 2.0$ mm single fibre break-out units.

This cable features ES9 easy strippable tight buffer.

Applications include: LAN backbones, central office interconnections, backbones in data centres, and many other.

The cable is suited for installation in ducts and on trays.

The cable features an UV stabilised, water and moisture resistant FireRes[®] sheathing. The cable is thus well suited for shorter outdoor runs.

Standards

ISO 11801-1, EN 187 000, IEC 60794-2, EN 50173-1, IEC 60794-2-20, EN 50575

Flame Resistance

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

Construction

$\varnothing 2.0$ mm unit	ES9 tightly buffered fiber $900 \mu\text{m} \pm 50 \mu\text{m}$ Aramid yarn strength member LSZH sheath, in the same colour as the outer sheath, marked with unit number	
Strength member	Central FRP strength member, covered with LSZH material as appropriate	
2 – 24 units	SZ stranded around the strength member	
Wrapping	Polyester foil	
Ripcord	Polyester	
Sheath colours	Cable with SM fibres: BendBright ^{XS} G.657.A2, BendBright G.657.A1	Yellow, RAL 1018
	Cable with M6-OM1 fibres	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 marking	Draka UC ^{FIBRE} I B LSHF-FR Dca-s2-d2-a1 ES9 2.0 <Fibre count> <Fibre type><Fibre brand><Item No> <Factory No> <Batch Number><Meter mark> J-V(ZN)HH <Fibre family> <Mode field diameter> /125 <Transmission Class> G <fibre count> <Mode field diameter>/125 AXAI-I/P-20	

D03b: UC^{FIBRE}TM Break-out Cable

Physical Properties

Attribute	Method IEC 60974-1- 21/22	Limits					
Fibre count		2, 4	6	8	12	16	24
Nominal diameter [mm]	-	7.5	8.5	10	12.5	12	14.5
Nominal weight [kg/km]	-	60	75	100	160	145	210
Maximum installation load [N]	-	1300	1800	2400	3500	3000	4500
Permanent tensile strength [N]	E1	450	600	800	1150	1000	1500
Impact [J]	E4	5 J					
Crush (compressive strength)	E3	1500 N/ 100 mm					
Torsion	E7	5 cycles ± 1 turn					
Minimum bending radius	E11	75	100	100	150	140	175
Minimum bending radius under tension	-	130	150	150	250	240	280
Temperature range	F1	Operation and Installation		-20 °C to 70 °C			
		Storage		-40 °C to 70 °C			
Minimum bending radius of the 2.0 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]	-	870 0.24	1200 0.33	1500 0.42	2500 0.70	2500 0.70	3600 1.00

D03b: UC^{FIBRE}™ Break-out Cable

Product Codes

Product Code	DoP Number*	Product description	Fibre count	Fibre type	Fibre data sheet
60011440		UC ^{FIBRE} I B LSHF-FR ES9 2.0 2 OM2B	2	MaxCap-BB-OM2	C34
60019273		UC ^{FIBRE} I B LSHF-FR ES9 2.0 4 OM2B	4	MaxCap-BB-OM2	C34
60020223		UC ^{FIBRE} I B LSHF-FR ES9 2.0 6 OM2B	6	MaxCap-BB-OM2	C34
60019429	1001900	UC ^{FIBRE} I B LSHF-FR ES9 2.0 8 OM2B	8	MaxCap-BB-OM2	C34
60019457		UC ^{FIBRE} I B LSHF-FR ES9 2.0 12 OM2B	12	MaxCap-BB-OM2	C34
60020721	1001880	UC ^{FIBRE} I B LSHF-FR ES9 2.0 4 OM3B	4	MaxCap-BB-OM3	C31
60019459		UC ^{FIBRE} I B LSHF-FR ES9 2.0 8 OM3B	8	MaxCap-BB-OM3	C31
60019874	1004795	UC ^{FIBRE} I B LSHF-FR ES9 2.0 12 OM3B	12	MaxCap-BB-OM3	C31
60019583	1005539	UC ^{FIBRE} I B LSHF-FR ES9 2.0 24 OM3B	24	MaxCap-BB-OM3	C31
60072197		UC ^{FIBRE} I B LSHF-FR ES9 2.0 2 OM4B	2	MaxCap-BB-OM4	C32
60078639	1009490	UC ^{FIBRE} I B LSHF-FR ES9 2.0 4 OM4B	4	MaxCap-BB-OM4	C32
60079288	1009547	UC ^{FIBRE} I B LSHF-FR ES9 2.0 6 OM4B	6	MaxCap-BB-OM4	C32
60078704	1009511	UC ^{FIBRE} I B LSHF-FR ES9 2.0 8 OM4B	8	MaxCap-BB-OM4	C32
60072197	1007851	UC ^{FIBRE} I B LSHF-FR ES9 2.0 12 OM4B	12	MaxCap-BB-OM4	C32
60073285	1008200	UC ^{FIBRE} I B LSHF-FR ES9 2.0 24 OM4B	24	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I B LSHF-FR ES9 2.0 4 OM5B	4	WideCap-OM5	C39
		UC ^{FIBRE} I B LSHF-FR ES9 2.0 8 OM5B	8	WideCap-OM5	C39
		UC ^{FIBRE} I B LSHF-FR ES9 2.0 12 OM5B	12	WideCap-OM5	C39
		UC ^{FIBRE} I B LSHF-FR ES9 2.0 24 OM5B	24	WideCap-OM5	C39
60019467	1004360	UC ^{FIBRE} I B LSHF-FR ES9 2.0 4 SM7A1.P	4	OS2 - BendBright G.657.A1 - tight geometry	C38
60020209	1004360	UC ^{FIBRE} I B LSHF-FR ES9 2.0 6 SM7A1.P	6	OS2 - BendBright G.657.A1 - tight geometry	C38
60019456	1009250	UC ^{FIBRE} I B LSHF-FR ES9 2.0 8 SM7A1	8	OS2 - BendBright G.657.A1 -	C17
60019458	1007270	UC ^{FIBRE} I B LSHF-FR ES9 2.0 24 SM7A1.P	24	OS2 - BendBright G.657.A1 - tight geometry	C38
60046794	1005545	UC ^{FIBRE} I B LSHF-FR ES9 2.0 24 SM7A1.P	24	OS2 - BendBright G.657.A1 - tight geometry	C38
60060444	1004360	UC ^{FIBRE} I B LSHF-FR ES9 2.0 2 SM7B.P	2	OS2 - BendBright ^{XS} G.657.A2, tight geometry	C25
60088630	1011387	UC ^{FIBRE} I B LSHF-FR ES9 2.0 8 SM7B.P	8	OS2 - BendBright ^{XS} G.657.A2, tight geometry	C25
60019700	1008413	UC ^{FIBRE} I B LSHF-FR ES9 2.0 12 SM7B.P	12	OS2 - BendBright ^{XS} G.657.A2, tight geometry	C25
60062676	1005552	UC ^{FIBRE} I B LSHF-FR ES9 2.0 24 SM7B.P	24	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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