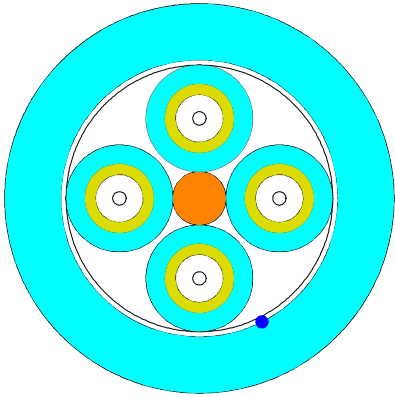


## D25a: UC<sup>FIBRE™</sup> Break-out cable semi tight

Indoor break-out cable with LS9 semi tight buffer in  
ø2.0 mm units, 2–24 fibres and FireRes<sup>®</sup> sheath,  
VDE: J-V(ZN)HH



### Application and installation

This break-out with LS9 dry semi tightly buffered fibres features ø2.0 mm single fibre break-out units. 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<sup>®</sup> sheathing. The cable is thus well suited for shorter outdoor runs.

### Standards

ISO 11801-1, EN 187 000, IEC 60794-2, EN 50 173-1, IEC 60794-2-20

### Flame resistance

LSHF-FR (FRNC): IEC 60332-1-2; IEC 60332-3-24, IEC 60754-2; IEC 61034; EN 50399 Class Dca s2d2a1, Class Eca

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## Construction

ø2.0 mm unit	LS9 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	
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 <sup>XS</sup> 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 <sup>FIBRE</sup> I B LSHF-FR LS9 Dca s2d2a1 2.0 <Fibre count> <Fibre type><Fibre brand><Item No><factory code><Batch Number><Meter mark> J-V(ZN)HH <Fibre family> <Mode field diameter> /125	

## Physical properties

IEC 60974-1-21/22

Attribute	Method	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 (a few hours) [N]	-	1300	1800	2400	3500	3000	4500
Short term tensile strength (some days) [N]	E1	900	1200	1600	2300	2000	3000
Permanent tensile strength [N]	E1	450	600	800	1150	1000	1500
Impact [J]	E4	20 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	E18A	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	1200	1500	2500	2500	3600
		0.24	0.33	0.42	0.70	0.70	1.00

# D25a: UC<sup>FIBRE</sup><sup>TM</sup> Break-out cable semi tight

## Product codes – ordering information

Product code	DoP Number*	Product description	Fibre count	Fibre type	Fibre data sheet
60020584		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 2 OM2B	2	MaxCap-BB-OM2	C34
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 4 OM2B	4	MaxCap-BB-OM2	C34
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 6 OM2B	6	MaxCap-BB-OM2	C34
60019206		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 8 OM2B	8	MaxCap-BB-OM2	C34
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 12 OM2B	12	MaxCap-BB-OM2	C34
60019299		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 4 OM3B	4	MaxCap-BB-OM3	C31
60019207		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 8 OM3B	8	MaxCap-BB-OM3	C31
60019211		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 12 OM3B	12	MaxCap-BB-OM3	C31
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 24 OM3B	24	MaxCap-BB-OM3	C31
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 2 OM4B	2	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 4 OM4B	4	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 8 OM4B	8	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 12 OM4B	12	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 24 OM4B	24	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 2 OM5B	2	WideCap-OM5	C39
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 4 OM5B	4	WideCap-OM5	C39
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 8 OM5B	8	WideCap-OM5	C39
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 12 OM5B	12	WideCap-OM5	C39
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 24 OM5B	24	WideCap-OM5	C39
60019200		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 2 SM2D	2	OS2 - G.652.D	C03e
60019202	1001912	UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 4 SM2D	4	OS2 - G.652.D	C03e
60019203		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 6 SM2D	6	OS2 - G.652.D	C03e
60019204		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 8 SM2D	8	OS2 - G.652.D	C03e
60019208		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 12 SM2D	12	OS2 - G.652.D	C03e
60019212	1001912	UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 24 SM2D	24	OS2 - G.652.D	C03e
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 4 SM7A1	4	OS2 - BendBright G.657.A1	C17
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 8 SM7A1	8	OS2 - BendBright G.657.A1	C17
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 12 SM7A1	12	OS2 - BendBright G.657.A1	C17
		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 24 SM7A1	24	OS2 - BendBright G.657.A1	C17
60019201		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 4 SM7B	4	OS2 - BendBright <sup>xs</sup> G.657.A2	C24
60019205		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 8 SM7B	8	OS2 - BendBright <sup>xs</sup> G.657.A2	C24
60019209		UC <sup>FIBRE</sup> I B LSHF-FR LS9 2.0 12 SM7B	12	OS2 - BendBright <sup>xs</sup> 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](http://www.prysmiangroup.com/cpr)

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