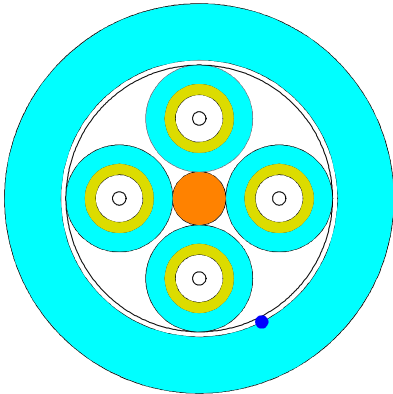


D03b: UC^{FIBRE™} Break-out cable

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 2nd edition, 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

D03b: UC^{FIBRE™} Break-out cable

Construction

ø2.0 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
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 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	Halogen free, flame resistant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised
Sheath marking	Draka UC ^{FIBRE} I B N LSHF-FR ES9 2.0 <Fibre count> <Fibre type><Fibre brand><Item No>05<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

Physical properties

IEC 60974-1-2

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 0.24	1200 0.33	1500 0.42	2500 0.70	2500 0.70	3600 1.00

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

Product codes – ordering information

Prysmian group material code	Prysmian Group material description	Draka Material code	Fibre count	Fibre type	Fibre data sheet
60011440	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 2 OM2B	1027406	2	OM2 MaxCap-BB-OM2	C34
60019273	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 4 OM2B		4	OM2 MaxCap-BB-OM2	C34
60020223	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 6 OM2B	1027249	6	OM2 MaxCap-BB-OM2	C34
60019429	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 8 OM2B	1021848	8	OM2 MaxCap-BB-OM2	C34
60019457	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 12 OM2B		12	OM2 MaxCap-BB-OM2	C34
60020721	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 4 OM3B	1029718	4	OM3 MaxCap-BB-OM3	C31
60019459	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 8 OM3B	1021997	8	OM3 MaxCap-BB-OM3	C31
60019874	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 12 OM3B	1025927	12	OM3 MaxCap-BB-OM3	C31
60019583	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 24 OM3B	1022712	24	OM3 MaxCap-BB-OM3	C31
60020723	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 2 OM4B	1029720	2	OM4 MaxCap-BB-OM4	C32
60020724	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 4 OM4B	1029721	4	OM4 MaxCap-BB-OM4	C32
	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 8 OM4B	1021848	8	OM4 MaxCap-BB-OM4	C32
60032937	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 12 OM4B		12	OM4 MaxCap-BB-OM4	C32
	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 24 OM4B		24	OM4 MaxCap-BB-OM4	C32
	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 4 MM61	1021990	4	OM1 62.5/125 multi mode	C02
60019455	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 8 MM61	1021988	8	OM1 62.5/125 multi mode	C02
60019373	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 12 MM61	1021533	12	OM1 62.5/125 multi mode	C02
60020722	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 2 SM2D	1029719	2	OS2 Single mode	C03e
60019467	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 4 SM2D	1022052	4	OS2 Single mode	C03e
60020209	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 6 SM2D	1027194	6	OS2 Single mode	C03e
60019456	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 8 SM2D	1021989	8	OS2 Single mode	C03e
60019458	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 12 SM2D	1021996	12	OS2 Single mode	C03e
	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 24 SM2D		24	OS2 Single mode	C03e
60019700	UC ^{FIBRE} I B N LSHF-FR ES9 2.0 12 SM7D	1025006	12	BendBright ^{XS} G.657.A2	C24

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