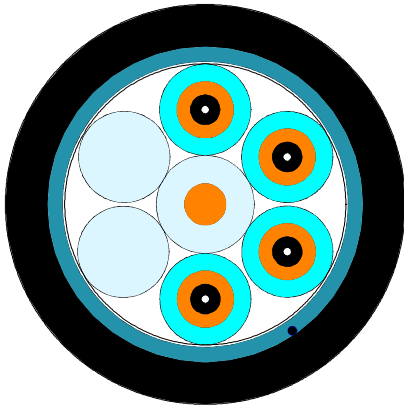


D22: UC^{FIBRE™} Break-out cable

Universal heavy duty break-out cable with LS9 semi tight buffer in $\varnothing 2.7$ mm units, 2 – 8 fibres, FireBur[®] sheath. VDE: U-V(ZN)HQBH



Application and installation

This cable features Draka's LS9 dry semi tight 900 μm buffer.

This cable is intended for tough installation environments.

This cable is built with individual heavy duty 2.7 mm break-out units, for easy and robust fitting of connectors.

A ripcord makes it possible to remove relatively long parts of the sheath and individually route the 2 – 8 optical units as desired.

The cable sheath is UV stabilised, metal free, with a degree of rodent protection, halogen free, and longitudinal water blocked.

The cable has very high tensile strength and is suited for vertical installation and installation on cable trays.

The cable can also be installed outdoors in ducts and even directly in the ground.

Standards

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

Flame resistance

LSHF (FRNC): IEC 60332-1-2, IEC 60754-2; IEC 61034

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Construction

ø2.7 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 – 8 units	SZ stranded around the strength member
Wrapping	Water blocking polyester nonwoven
Reinforcement	Layer of glass fibre rowing for rodent protection and added tensile strength
Ripcord	Polyester
Sheath colour	Black
Sheath	FireBur™ 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
Nominal diameter [mm]	-	12	14
Nominal weight [kg/km]	-	120	225
Maximum installation load (a few hours) [N]	-	4500	
Short term tensile strength (some days) [N]	E1	3600	
Permanent tensile strength [N]	E1	1800	
Impact [J]	E4	20 J	
Crush (compressive strength)	E3	3000 N/ 100 mm	
Torsion	E7	5 cycles ± 1 turn	
Minimum bending radius	E11	75	75
Minimum bending radius under tension	E18A	130	130
Temperature range	F1	Operation and Installation	-20 °C to 70 °C
		Storage	-40 °C to 70 °C
Minimum bending radius of the 2.7 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]		2100	4200
[kW/m]		0.60	2.05

D22: UC^{FIBRE}™ 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
60019215	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 2 MM52	1020417	2	OM2 50/125 multi mode	C01a
	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 4 MM52		4	OM2 50/125 multi mode	C01a
60019221	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 6 MM52	1020424	6	OM2 50/125 multi mode	C01a
60019407	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 8 MM52	1021737	8	OM2 50/125 multi mode	C01a
	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 2 OM2B		2	OM2 MaxCap-BB-OM2	C34
60019329	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 4 OM2B		4	OM2 MaxCap-BB-OM2	C34
	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 6 OM2B		6	OM2 MaxCap-BB-OM2	C34
	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 8 OM2B		8	OM2 MaxCap-BB-OM2	C34
60019216	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 2 OM3B	1020418	2	OM3 MaxCap-BB-OM3	C31
60019219	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 4 OM3B	1020422	4	OM3 MaxCap-BB-OM3	C31
60019222	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 6 OM3B	1020425	6	OM3 MaxCap-BB-OM3	C31
	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 8 OM3B		8	OM3 MaxCap-BB-OM3	C31
	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 2 OM4B		2	OM4 MaxCap-BB-OM4	C32
	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 4 OM4B		4	OM4 MaxCap-BB-OM4	C32
60020500	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 6 OM4B	1028693	6	OM4 MaxCap-BB-OM4	C32
	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 8 OM4B		8	OM4 MaxCap-BB-OM4	C32
60019406	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 2 MM61	1021730	2	OM1 62.5/125 multi mode	C02
60019889	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 4 MM61	1025966	4	OM1 62.5/125 multi mode	C02
60019213	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 2 SM2D	1020415	2	OS2 Single mode	C03
60019217	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 4 SM2D	1020419	4	OS2 Single mode	C03
60019220	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 6 SM2D	1020423	6	OS2 Single mode	C03
	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 8 SM2D		8	OS2 Single mode	C03
60019214	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 2 SM7B	1020416	2	BendBright ^{XS} G.657.A2	C24
60019218	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 4 SM7B	1020420	4	BendBright ^{XS} G.657.A2	C24
	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 6 SM7B		6	BendBright ^{XS} G.657.A2	C24
	UC ^{FIBRE} I/O B D DA LSHF LS9 2.7 8 SM7B		8	BendBright ^{XS} G.657.A2	C24

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