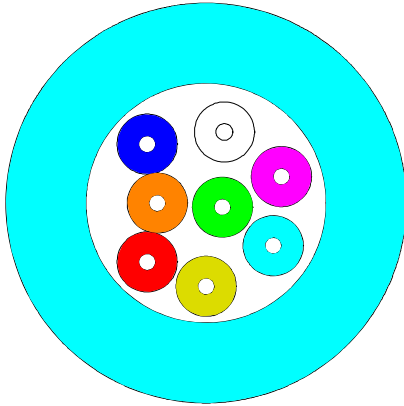


UC^{FIBRE™} | DIN LSHF LS9

LS9 semi tight buffer, 2- 12 fibres, Glass elements, FireBur[®] sheath



Application and Installation

This distribution or mini-break-out cable can be used for many indoor applications and outdoor applications. This cable features Draka's LS9 Dry semi tight buffer, the buffer diameter is 900 micron. Typical cable applications includes: LAN and WAN 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 FireBur[®] sheathing, the cable is thus well suited for outdoor runs; but is not longitudinal waterblocked.

Standards

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

Construction

Fibre	2 - 12 LS9 semi tightly buffered fibres 900 µm ± 50 µm.			
Fibre colour code	1	Red	7	Brown
	2	Green	8	Violet
	3	Blue	9	Turquoise
	4	Yellow	10	Black
	5	White	11	Orange
	6	Grey	12	Pink
Strength member	E- Glass rovings			
Sheath colours	Cable with SM fibres			Yellow
	Cable with M5 fibres			Orange
	Cable with M6 fibres			Grey
	Cable with MaxCap-OM3 and MaxCap-OM4 fibres			Aqua
Sheath	1.1 mm FireBur [®] LSHF fire retardant, UV stabilised, EN 50290-2-27 sheathing material			

Note: The Draka policy of continuous improvement may cause in changed specifications without prior notice

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Fire rating

IEC 60332-1-2	Single vertical wire test
IEC 60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

Heat of combustion

2	435 MJ/km	0.12 KWh/m
4	542 MJ/km	0.16 KWh/m
6	598 MJ/km	0.17 KWh/m
8	620 MJ/km	0.17 KWh/m
12	812 MJ/km	0.23 KWh/m

Physical properties

IEC 60974-1-2

Property	Test method	Value	
Permanent tensile strength	E11	2 and 4 fibres	270 N
		6 and 8 fibres	360 N
		12 fibres	450 N
Short term tensile strength (some days)	E11	2 and 4 fibres	540 N
		6 and 8 fibres	720 N
		12 fibres	900 N
Maximum installation load (a few hours)	-	2 and 4 fibres	1000 N
		6 and 8 fibres	1200 N
		12 fibres	1500 N
Impact	E4	20 J	
Crush (compressive strength)	E3	3000 N/ 100 mm	
Torsion	E7	5 cycles ± 1 turn	
Temperature range	F1	Operation and Installation	-20 °C to 70 °C
		Storage	-40 °C to 70 °C

Mechanical properties

Fibre count	Nominal diameter	Nominal cable weight	Minimum bending radius Long term/short term
2	5.0 mm	25 kg/km	100/50 mm
4	5.5 mm	30 kg/km	100/50 mm
6	6.0 mm	30 kg/km	100/50 mm
8	6.5 mm	40 kg/km	100/50 mm
12	7.0 mm	45 kg/km	130/75 mm

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UC^{FIBRE™} | DI N LSHF LS9

Product codes – ordering information

Item No.	Fibre count	Product code	Fibre type	Fibre data sheet
1019967	4	UC ^{FIBRE} DI LSHF LS9 4 MM50	OM2 HiCap 50/125 multi mode	C08
1019970	12	UC ^{FIBRE} DI LSHF LS9 12 MM50	OM2 HiCap 50/125 multi mode	C08
1020397	2	UC ^{FIBRE} DI LSHF LS9 2 MM52	OM2 50/125 multi mode 600/1200	C01a
1019106	4	UC ^{FIBRE} DI LSHF LS9 4 MM52	OM2 50/125 multi mode 600/1200	C01a
1019110	12	UC ^{FIBRE} DI LSHF LS9 12 MM52	OM2 50/125 multi mode 600/1200	C01a
1020398	2	UC ^{FIBRE} DI LSHF LS9 2 MM53	OM3 MaxCap-OM3 multi mode	C12
1020053	4	UC ^{FIBRE} DI LSHF LS9 4 MM53	OM3 MaxCap-OM3 multi mode	C12
1019972	12	UC ^{FIBRE} DI LSHF LS9 12 MM53	OM3 MaxCap-OM3 multi mode	C12
1019966	4	UC ^{FIBRE} DI LSHF LS9 4 MM61	OM1 62.5/125 multi mode	C02
1019969	12	UC ^{FIBRE} DI LSHF LS9 12 MM61	OM1 62.5/125 multi mode	C02
1020395	2	UC ^{FIBRE} DI LSHF LS9 2 SM2D	OS2 Single mode	C03e
1019968	4	UC ^{FIBRE} DI LSHF LS9 4 SM2D	OS2 Single mode	C03e
1020400	8	UC ^{FIBRE} DI LSHF LS9 8 SM2D	OS2 Single mode	C03e
1019971	12	UC ^{FIBRE} DI LSHF LS9 12 SM2D	OS2 Single mode	C03e
1020396	2	UC ^{FIBRE} DI LSHF LS9 2 SM7B	BendBright ^{XS} G.657.A2	C24
1020399	4	UC ^{FIBRE} DI LSHF LS9 4 SM7B	BendBright ^{XS} G.657.A2	C24
1020401	12	UC ^{FIBRE} DI LSHF LS9 12 SM7B	BendBright ^{XS} G.657.A2	C24

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