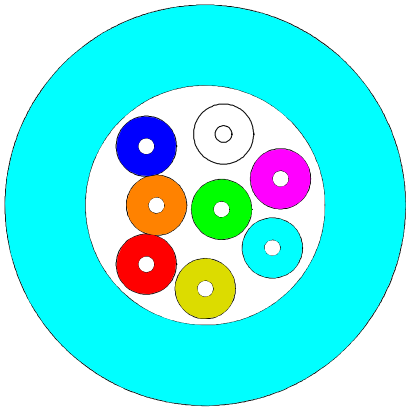


## D20a: UC<sup>FIBRE™</sup> Indoor distribution cable

Indoor Distribution cable w. 2- 12 LS9 dry semi tightly buffered fibres, glass elements and FireBur<sup>®</sup> sheath.  
VDE: J-V(ZN)H

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### Application and installation

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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 include: 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<sup>®</sup> sheathing, the cable is thus well suited for outdoor runs; but is not longitudinal waterblocked.

### Standards

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EN 187 000; IEC 60794-2; IEC 60794-2-20; ISO 11801 2<sup>nd</sup> edition; EN 50 173-1

### Flame resistance

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

# D20a: UC<sup>FIBRE™</sup> Indoor distribution cable

## 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, 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	1.1 mm FireBur <sup>®</sup> halogen free, flame retardant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised			
Print Legend	Draka UC <sup>FIBRE</sup> I DI N LSHF LS9 <Fibre count> <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark>J-V(ZN)H 2 <Fibre family> <Mode field diameter> /125 <Transmission Class>			

## Physical properties

Attribute	IEC 60794-1-2 Method	Limits						
		2	4	6	8	12		
Fibre count	-	2	4	6	8	12		
Nominal diameter [mm]	-	5.0	5.5	6.0	6.5	7.0		
Nominal weight [kg/km]	-	25	30	30	40	45		
Maximum installation load (a few hours)	E1	1000	1000	1200	1200	1500		
Short term tensile strength (some days) [N]	E1	540	540	720	720	900		
Permanent tensile strength [N]	E1	270	270	360	360	450		
Crush (compressive strength) [N/100 mm]	E3	3000						
Impact [J]	E4	20						
Torsion	E7	5 cycles ± 1 turn						
Kink	E10	The cables do not form a kink when a loop is drawn together to a diameter 12 times the cable nominal diameter						
Minimum bending radius [mm]	E11	50	50	50	50	75		
Temperature range	F1	Installation		-20 °C to 70 °C				
		Operation		-20 °C to 70 °C				
		Storage		-40 °C to 70 °C				
Heat of combustion [MJ/km] [kWh/m]	-	435	542	598	620	812		
		0.12	0.16	0.17	0.17	0.23		

# D20a: UC<sup>FIBRE™</sup> Indoor distribution cable

## Product codes – ordering information

Prysmian group material code	Prysmian Group material description	Draka Material code	Fibre count	Fibre type	Fibre data sheet
60019433	UC <sup>FIBRE</sup> I DI N LSHF LS9 4 OM2B	1021945	4	MaxCap-BB-OM2 50/125	C34
60019687	UC <sup>FIBRE</sup> I DI N LSHF LS9 8 OM2B	1024812	8	MaxCap-BB-OM2 50/125	C34
60019434	UC <sup>FIBRE</sup> I DI N LSHF LS9 12 OM2B	1021946	12	MaxCap-BB-OM2 50/125	C34
	UC <sup>FIBRE</sup> I DI N LSHF LS9 2 OM3B	1020398	2	MaxCap-BB-OM3 multi mode	C31
60019435	UC <sup>FIBRE</sup> I DI N LSHF LS9 4 OM3B	1021947	4	MaxCap-BB-OM3 multi mode	C31
60019436	UC <sup>FIBRE</sup> I DI N LSHF LS9 12 OM3B	1021948	12	MaxCap-BB-OM3 multi mode	C31
60025379	UC <sup>FIBRE</sup> I DI N LSHF LS9 4 OM4B		4	MaxCap-BB-OM4 multi mode	C32
	UC <sup>FIBRE</sup> I DI N LSHF LS9 4 MM61	1019966	4	OM1 62.5/125 multi mode	C02
	UC <sup>FIBRE</sup> I DI N LSHF LS9 12 MM61	1019969	12	OM1 62.5/125 multi mode	C02
	UC <sup>FIBRE</sup> I DI N LSHF LS9 2 SM2D	1020395	2	OS2 Single mode	C03e
	UC <sup>FIBRE</sup> I DI N LSHF LS9 4 SM2D	1019968	4	OS2 Single mode	C03e
60019198	UC <sup>FIBRE</sup> I DI N LSHF LS9 8 SM2D	1020400	8	OS2 Single mode	C03e
60019142	UC <sup>FIBRE</sup> I DI N LSHF LS9 12 SM2D	1019971	12	OS2 Single mode	C03e
60019196	UC <sup>FIBRE</sup> I DI N LSHF LS9 2 SM7B	1020396	2	BendBright <sup>XS</sup> G.657.A2	C24
60019197	UC <sup>FIBRE</sup> I DI N LSHF LS9 4 SM7B	1020399	4	BendBright <sup>XS</sup> G.657.A2	C24
60019449	UC <sup>FIBRE</sup> I DI N LSHF LS9 8 SM7B	1021976	8	BendBright <sup>XS</sup> G.657.A2	C24
60019199	UC <sup>FIBRE</sup> I DI N LSHF LS9 12 SM7B	1020401	12	BendBright <sup>XS</sup> G.657.A2	C24

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