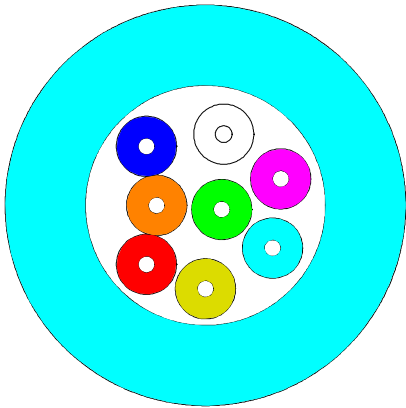


D20a: UC^{FIBRE™} Indoor Distribution Cable

Indoor Distribution cable w. 2-24 LS9 dry semi tightly buffered fibres, glass elements and FireBur[®] sheath.

VDE: J-V(ZN)H



E_{ca}
CPR

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; EN 50 173-1

Flame resistance

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

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Construction

Fibre	2 - 12 LS9 semi tightly buffered fibres 900 µm ± 50 µm.			
Fibre colour code	1	Red	13	Red w/mark every 70mm
	2	Green	14	Green w/mark every 70mm
	3	Blue	15	Blue w/mark every 70mm
	4	Yellow	16	Yellow w/mark every 70mm
	5	White	17	White w/mark every 70mm
	6	Grey	18	Grey w/mark every 70mm
	7	Brown	19	Brown w/mark every 70mm
	8	Violet	20	Violet w/mark every 70mm
	9	Turquoise	21	Turquoise w/mark every 70mm
	10	Black	22	White w/mark every 35mm
	11	Orange	23	Orange w/mark every 70mm
	12	Pink	24	Pink w/mark every 70mm
Strength member	E- Glass rovings			
Sheath colours	Cable with SM fibres		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	1.1 mm FireBur® halogen free, flame retardant thermoplastic sheathing compound acc. to EN 50290-2-27, UV stabilised			
Print Legend	Draka UC ^{FIBRE} I DI LSHF LS9 <Fibre count> <Fibre type><Fibre brand><Item No><factory code><Batch Number><Meter mark>J-V(ZN)H 2 <Fibre family> <Mode field diameter> /125 <Transmission Class>			

Physical properties

Attribute	IEC 60794-1- 21/22 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^{FIBRE}™ Indoor Distribution Cable

Product codes – ordering information

Product code	DoP Number*	Product description	Fibre count	Fibre type	Fibre data sheet
60019433	1005389	UC ^{FIBRE} I DI LSHF LS9 4 OM2B	4	MaxCap-BB-OM2	C34
60019687		UC ^{FIBRE} I DI LSHF LS9 8 OM2B	8	MaxCap-BB-OM2	C34
60019434		UC ^{FIBRE} I DI LSHF LS9 12 OM2B	12	MaxCap-BB-OM2	C34
		UC ^{FIBRE} I DI LSHF LS9 2 OM3B	2	MaxCap-BB-OM3	C31
60019435	1005041	UC ^{FIBRE} I DI LSHF LS9 4 OM3B	4	MaxCap-BB-OM3	C31
60019436		UC ^{FIBRE} I DI LSHF LS9 12 OM3B	12	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I DI LSHF LS9 4 OM4B	4	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I DI LSHF LS9 8 OM4B	8	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I DI LSHF LS9 12 OM4B	12	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I DI LSHF LS9 4 OM5B	4	WideCap-OM5	C39
		UC ^{FIBRE} I DI LSHF LS9 8 OM5B	8	WideCap-OM5	C39
		UC ^{FIBRE} I DI LSHF LS9 12 OM5B	12	WideCap-OM5	C39
60019198		UC ^{FIBRE} I DI LSHF LS9 8 SM2D	8	OS2 – G.652.D	C03e
60019142		UC ^{FIBRE} I DI LSHF LS9 12 SM2D	12	OS2 – G.652.D	C03e
		UC ^{FIBRE} I DI LSHF LS9 4 SM7A1	4	OS2 – BendBright G.657.A1	C17
		UC ^{FIBRE} I DI LSHF LS9 8 SM7A1	8	OS2 – BendBright G.657.A1	C17
		UC ^{FIBRE} I DI LSHF LS9 12 SM7A1	12	OS2 – BendBright G.657.A1	C17
60019196		UC ^{FIBRE} I DI LSHF LS9 2 SM7B	2	OS2 - BendBright ^{XS} G.657.A2	C24
60019197	1006050	UC ^{FIBRE} I DI LSHF LS9 4 SM7B	4	OS2 - BendBright ^{XS} G.657.A2	C24
60019449		UC ^{FIBRE} I DI LSHF LS9 8 SM7B	8	OS2 - BendBright ^{XS} G.657.A2	C24
60019199		UC ^{FIBRE} I DI LSHF LS9 12 SM7B	12	OS2 - BendBright ^{XS} 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

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