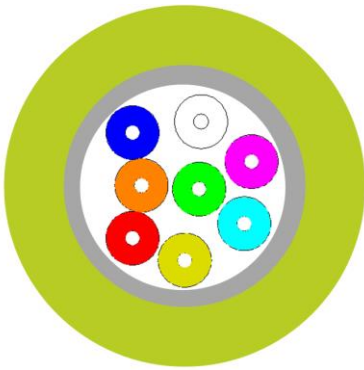


D37: UC^{FIBRE™} Universal Distribution Cable

Universal (indoor/outdoor) distribution or mini break-out cable with ES9 tight buffer, up to 24 fibres and FireRes[®] sheath, Class-B2_{ca} s1a-d1-a1 cable
VDE: U-VQ(ZN)BH

**B2_{ca}**
CPR**C_{ca}**
CPR**D_{ca}**
CPR**E_{ca}**
CPR

Application and Installation

This distribution or mini-break-out cable can be used for many indoor and limited outdoor applications.

Typical cable applications include: LAN and WAN backbones, central office interconnections, backbones in data centres, and many other.

Glass yarns provide a degree of rodent protection.

This cable features high flame retardance with B2ca approval.

The cable is well suited for installation in ducts and on trays.

The cable features UV stabilised FireRes[®] sheathing, water-blocked, hence the cable is suited for indoor/outdoor (ducts) runs.

Standards

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

Flame Resistance

LSHF-FR (LSOH): IEC 60332-1-2; IEC 60332-3-24 IEC 60754-2; IEC 61034; EN 50399 Class B2_{ca} s1a-d1-a1, Class-C_{ca}, Class D_{ca}, Class-E_{ca}

D37: UC^{FIBRE}™ Universal Distribution Cable

Construction

Fibre	2 - 24 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	
Water blocking	Swellable tread		
Strength member	Glass yarns as strength members and rodent protection		
Sheath colours	Cable with OS2 SM fibres: BendBright ^{XS} G.657.A2, BendBright G.657.A1		Yellow, RAL 1018
	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	1.5mm FireRes [®] , halogen free, flame retardant, UV stabilized		
Sheath marking	Draka UC ^{FIBRE} I/O DI LSHF-FR B2ca-s1a-d1-a1 ES9 <Fibre count> <Fibre type> <Fibre brand> <Item No> <Factory No> <Batch Number> <Meter mark> U-VQ(ZN)BH <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>		

Physical Properties

IEC 60794-1-21/22

Attribute	Method	Limits						
		2	4	6	8	12	16	24
Fibre count		2	4	6	8	12	16	24
Nominal diameter [mm]	-	7.0	7.2	7.4	7.6	8.2	8.6	9.6
Nominal weight [kg/km]	-	42	43	44	49	57	70	81
Short term tensile str. (fibre strain ≤ 0.6%) [N]	-	1500					2100	2400
Permanent tensile str. (fibre strain ≤ 0.2%) [N]	E1	500					700	800
Impact [J]	E4	10 J						
Crush (compressive strength) [N / 100 mm]	E3	2000					1000	1000
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 - permanent (unloaded)	E11	70	72	74	76	82	86	96
Minimum bending radius - installation (loaded)	-	140	144	148	152	164	172	192
Temperature range	F1	Operation and Installation				-20 °C to 60 °C		
		Storage				-40 °C to 70 °C		
Minimum bending radius of the ES9 tightly buffered fibres	G01	With standard fibres				20 mm		
		With MaxCap-BB-OMx fibres				7.5 mm		
		With BendBright-XS fibers:				7.5 mm		
Water penetration	F5C	No water on free end						

Product Codes

D37: UC^{FIBRE}™ Universal Distribution Cable

Product Code	DoP Number*	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
60064973	1006267	UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 2 OM3B	2	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 4 OM3B	4	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 6 OM3B	6	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 8 OM3B	8	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 12 OM3B	12	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 16 OM3B	16	MaxCap-BB-OM3	C31
60064974	1006250	UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 24 OM3B	24	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 4 OM4B	4	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 6 OM4B	6	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 12 OM4B	12	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 24 OM4B	24	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 4 OM5	4	WideCap-OM5	C39
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 6 OM5	6	WideCap-OM5	C39
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 8 OM5	8	WideCap-OM5	C39
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 12 OM5	12	WideCap-OM5	C39
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 24 OM5	24	WideCap-OM5	C39
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 12 SM7A1	12	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 24 SM7A1	24	OS2 BendBright G.657.A1	C17
60064972	1006266	UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 2 SM2D	2	OS2 G.652.D	C03
60060507	1006255	UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 24 SM2D	24	OS2 G.652.D	C03
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 12 SM7A1.P	12	OS2 BendBright G.657.A1, tight geometry	C38
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 24 SM7A1.P	24	OS2 BendBright G.657.A1, tight geometry	C38
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 12 SM7B	12	OS2 BendBrightXS G.657.A2	C24
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 24 SM7B	24	OS2 BendBrightXS G.657.A2	C24
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 12 SM7B.P	12	OS2 BendBright ^{XS} G.657.A2, tight geometry	C25
		UC ^{FIBRE} I/O DI LSHF-FR B2 ES9 24 SM7B.P	24	OS2 BendBright ^{XS} G.657.A2, tight geometry	C25

*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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