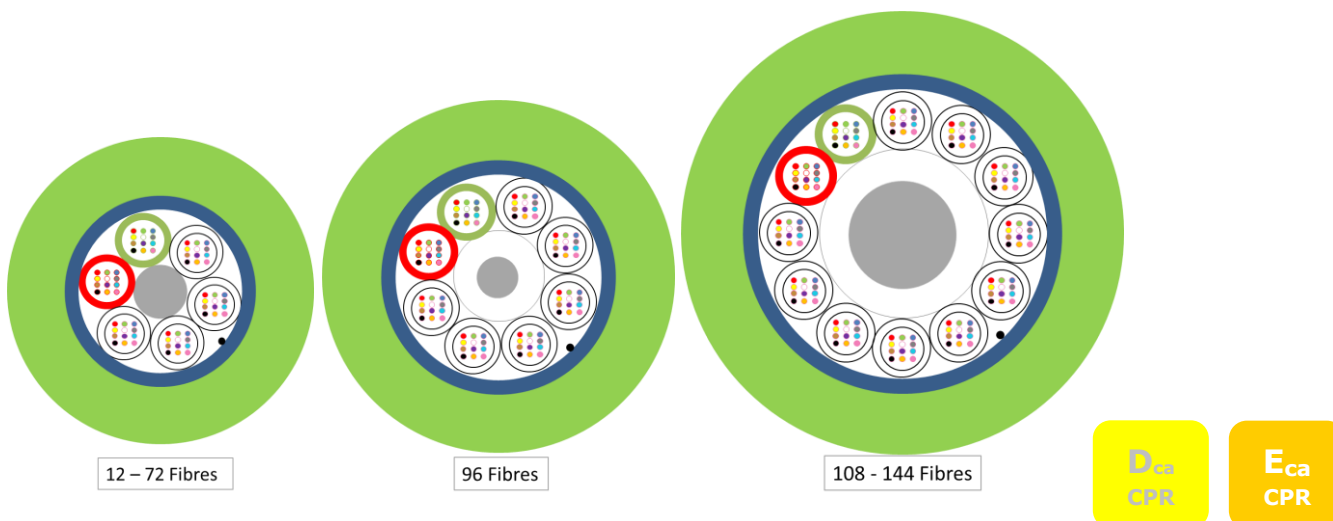
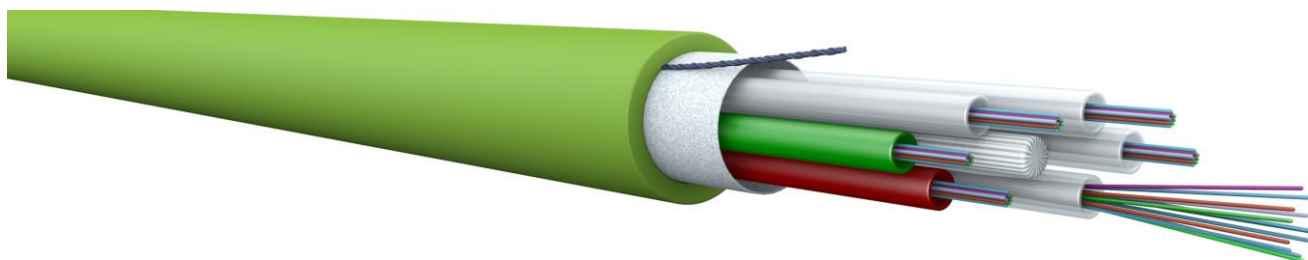


N12: UC^{FIBRE™} Universal Stranded Loose Tube Non-Metallic Gel-Filled Dca Cable

1800N, universal stranded loose tube cable with up to 144 fibres and FireRes® sheath. VDE: U-DQH



Application and Installation

Universal indoor/outdoor cable for LAN, MAN and WAN backbones
With its FireRes® LSHF-FR sheathing this cable is ideal for mixed indoor and limited outdoor installation.
It is equally suited for installation in ducts and on trays.

Standards

IEC 60794-1, IEC 60794-2, ISO 11801-1, EN 50173-1

Flame Resistance

LSHF (FRNC): IEC 60332-1-2; IEC 60332-3-24; IEC 60754-2; IEC 61034; EN 50399 Class D_{ca}s2d2a1; Class E_{ca}

Options

As standard this cable is provided with 12 fibres per tube, as an option other lower fibre counts are possible

N12: UC^{FIBRE}™ Universal Stranded Loose Tube Non-Metallic Gel-Filled Dca Cable

Construction

Central strength member	ø2.5 mm FRP rod	
Loose tube	ø2.3 mm gel-filled loose tubes, with 12 fibres each, up to 12 tubes, for lay-up refer to B04	
Water blocking	The core is water blocked using swellable tape and tread	
Wrapping	Polyester nonwoven	
Ripcord	Polyester ripcord for easy slitting of the sheath	
Sheath	1.5 mm FireRes® sheath, halogen free, flame retardant, UV stabilised, IEC 50290-2-27	
Cable Sheath colours	Cable with SM fibres: BendBright ^{XS} G.657.A2, BendBright G.657.A1	Yellow, RAL 1018
	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 marking	DRAKA UC ^{FIBRE} I/O ST LSHF-FR Dca-s2-d2-a1 1.8 kN <Fibre count><Fibre type><Fibre brand> <Item No><Factory No><Batch Number><Meter mark> U-DQH <Number of Elements> x <Fibre count per element> <Fibre family> <Mode field diameter> /125 <Transmission Class>	

Physical Properties

Attribute	IEC 60794-1- 21/22 Method	Limits							
		12	24	36	48	72	96	144	
Fibre count	-	12	24	36	48	72	96	144	
Fibre distribution	-	1x12f	2x12f	3x12f	4x12f	6x12f	8x12f	12x12f	
Nominal diameter [mm]	-	10.6	10.6	10.6	10.6	10.6	11.8	15.2	
Nominal weight [kg/km]	-	95	98	103	105	115	145	240	
Short term tensile strength (some days) [N]	E1	1800 (fibre strain ≤ 0.5%)							
Permanent tensile strength [N]	E1	900 (fibre strain ≤ 0.25%)							
Crush (compressive strength) [N/100 mm]	E3	2000							
Impact [J]	E4	15							
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 Installation bending radius (loaded) [mm]	E18a	212	212	212	212	212	236	304	
Minimum Permanent bending radius (unloaded) [mm]	E11	106	106	106	106	106	118	152	
Temperature range	F1	Installation -40 °C to 70 °C Operation *) -40 °C to 70 °C Storage -40 °C to 70 °C							
Water penetration	F5	No water on free end							

*) The cables will operate without any attenuation variation (≤0.05 dB) in the temperature interval -30°C to +60°C.

The cables will operate with a maximum attenuation variation of 0.1dB/km in the temperature interval -40°C to +70°C.

N12: UC^{FIBRE}™ Universal Stranded Loose Tube Non-Metallic Gel-Filled Dca Cable

Product Codes

Product Code	DoP Number*	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 4x12 OM3B AQ	48	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 5x12 OM3B AQ	60	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 6x12 OM3B AQ	72	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 8x12 OM3B AQ	96	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 12x12 OM3B AQ	144	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 3x12 OM4B 4003	36	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 4x12 OM4B 4003	48	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 6x12 OM4B 4003	72	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 8x12 OM4B 4003	96	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 12x12 OM4B 4003	144	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 3x12 OM5B LG	36	WideCap-OM5	C39
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 4x12 OM5B LG	48	WideCap-OM5	C39
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 6x12 OM5B LG	72	WideCap-OM5	C39
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 8x12 OM5B LG	96	WideCap-OM5	C39
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 12x12 OM5B LG	144	WideCap-OM5	C39
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 2x12 SM7A1 YL	24	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 3x12 SM7A1 YL	36	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 4x12 SM7A1 YL	48	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 5x12 SM7A1 YL	60	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 6x12 SM7A1 YL	72	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 8x12 SM7A1 YL	96	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 12x12 SM7A1 YL	144	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 2x12 SM7B YL	24	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 3x12 SM7B YL	36	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 4x12 SM7B YL	48	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 6x12 SM7B YL	72	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 8x12 SM7B YL	96	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O ST LSHF-FR 1.8kN 12x12 SM7B YL	144	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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