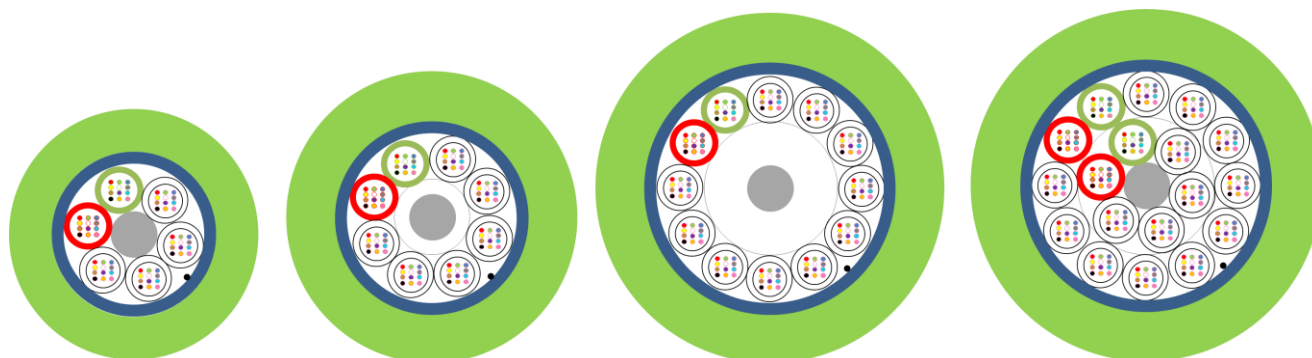
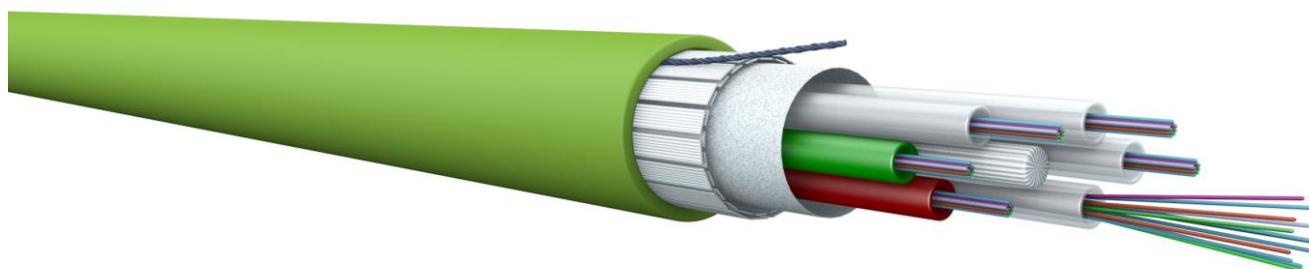


N14: UC^{FIBRE™} Universal Stranded Loose Tube Non-Metallic Gel-Filled Cca 5kN Cable

5000N, universal stranded gel-filled, water-blocked loose tubes, Cca-s1a-d1-a1 non-metallic cable with up to 432 fibres, glass yarns and FireRes[®] sheath.

VDE: U-DQ(ZN)BH



C_{ca}
CPR

D_{ca}
CPR

E_{ca}
CPR

Application and Installation

Universal indoor/outdoor cable for LAN, MAN and WAN backbones

Degree of rodent protection, effective in many cases

This innovative cable is Class-Cca approved, highly flame retardant with gel-filled tubes and water-blocked characteristics.

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, EN 50575

Flame Resistance

LSHF (FRNC):
EN 50399:

IEC 60332-1-2; IEC 60332-3-24; IEC 60754-2; IEC 61034
Class-C_{cas}1a-d1-a1, Class D_{ca}; Class E_{ca}

N14: UC^{FIBRE™} Universal Stranded Loose Tube Non-Metallic Gel-Filled Cca 5kN Cable

Options

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

Construction

Central strength member	ø2.5 mm FRP rod	
Lose tube	For ≤ 144 fibres, ø2.3 mm gel-filled loose tubes, with 12 fibres each For > 144 fibres, ø2.8 mm gel-filled loose tubes, with 24 fibres each for lay-up refer to B04	
Water blocking	The core is water blocked using swellable tape and tread	
Strength member	Glass yarns with rodent protection	
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 mixed fibre types (hybrid)	Blue, RAL 5015
	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 Cca-s1a-d1-a1 5.0 kN <Fibre count><Fibre type><Fibre brand> <Item No><Factory No><Batch Number><Meter mark> U-DQ(ZN)BH <Number of Elements> x <Fibre count per element> <Fibre family> <Mode field diameter> /125 <Transmission Class>	

Physical Properties

IEC 60794-1-21/22

Attribute	Method	Limits								
Fibre count	-	12	24	36	48	72	96	144	288	432
Fibre distribution	-	1x12f	2x12f	3x12f	4x12f	6x12f	8x12f	12x12f	12x24f	18x24f
Nominal diameter [mm]	-	11.2	11.2	11.2	11.2	11.2	12.8	15.6	18.5	18.5
Nominal weight [kg/km]	-	117	120	125	127	137	167	257	276	330
Short term tensile strength [N]	E1	5000 (fibre strain ≤ 0.6%)								
Permanent tensile strength [N]	E1	1800 (fibre strain ≤ 0.2%)								
Crush (compressive strength) [N/100 mm]	E3	2500								
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 Installation bending radius (loaded) [mm]	-	224	224	224	224	224	256	312	370	370
Minimum Permanent bending radius (unloaded) [mm]	E11	112	112	112	112	112	128	156	185	185
Temperature range	F1	Installation Operation *) Storage -40 °C to 70 °C -40 °C to 70 °C -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.

N14: UC^{FIBRE}™ Universal Stranded Loose Tube Non-Metallic Gel-Filled Cca 5kN Cable

Product Codes

Product Code	DoP Number*	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 2x12 OM3B AQ	24	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 4x12 OM3B AQ	48	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 6x12 OM3B AQ	72	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 8x12 OM3B AQ	96	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x12 OM3B AQ	144	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x24 OM3B AQ	288	MaxCap-BB-OM3	C31
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 2x12 OM4B 4003	24	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 3x12 OM4B 4003	36	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 4x12 OM4B 4003	48	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 6x12 OM4B 4003	72	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 8x12 OM4B 4003	96	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x12 OM4B 4003	144	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x24 OM4B 4003	288	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 2x12 OM5B LG	24	WideCap-OM5	C39
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 3x12 OM5B LG	36	WideCap-OM5	C39
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 4x12 OM5B LG	48	WideCap-OM5	C39
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 6x12 OM5B LG	72	WideCap-OM5	C39
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 8x12 OM5B LG	96	WideCap-OM5	C39
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x12 OM5B LG	144	WideCap-OM5	C39
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x24 OM5B LG	288	WideCap-OM5	C39
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 2x12 SM2D/A1 YL	24	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 3x12 SM2D/A1 YL	36	OS2 BendBright G.657.A1	C17
60081543	1009488	UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 4x12 SM2D/A1 YL	48	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 6x12 SM2D/A1 YL	72	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 8x12 SM2D/A1 YL	96	OS2 BendBright G.657.A1	C17
60079240	1009613	UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x12 SM2D/A1 YL	144	OS2 BendBright G.657.A1	C17
60089980	1011771	UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x24 SM2D/A1 YL	288	OS2 BendBright G.657.A1	C17
60084242	1010760	UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 18x24 SM2D/A1 YL	432	OS2 BendBright G.657.A1	C17
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 2x12 SM7B YL	24	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 3x12 SM7B YL	36	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 4x12 SM7B YL	48	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 6x12 SM7B YL	72	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 8x12 SM7B YL	96	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x12 SM7B YL	144	OS2 BendBright ^{XS} G.657.A2	C24
		UC ^{FIBRE} I/O ST LSHF-FR C 5.0kN 12x24 SM7B YL	288	OS2 BendBright ^{XS} G.657.A2	C24
60076618	1008663	DR I/O ST LSHF-FR C 5.0kN 12 SM2D/A1 + 12 OM4 BK	24	OS2 G.652.D + MaxCap-BB-OM4	C17 + C32
60076619	1008664	DR I/O ST LSHF-FR C 5.0kN 24 SM2D/A1 + 24 OM4 BK	48	OS2 G.652.D + MaxCap-BB-OM4	C17 + C32
60076620	1008665	DR I/O ST LSHF-FR C 5.0kN 48 SM2D/A1 + 48 OM4 BK	96	OS2 G.652.D + MaxCap-BB-OM4	C17 + C32

*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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