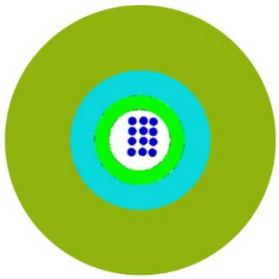
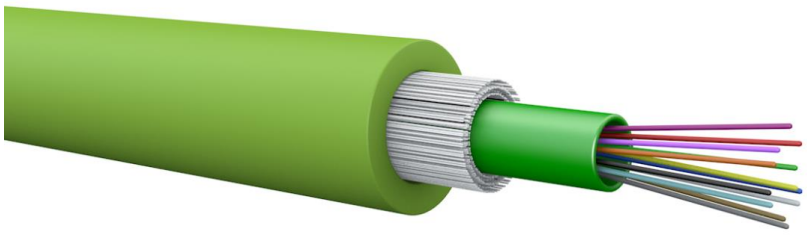
E20: UC$^{FIBRE™}$ Universal Central Tube Dca Non-Metallic Gel-Filled Cable

3000N, Ind/Out metal-free Class D_{ca} gel-filled, water-blocked central tube cable, up to 24 fibres, glass yarn dielectric armouring and FireRes® sheath. DIN/VDE: U-DQ(ZN)BH





D_{ca} CPR

E_{ca} CPR

Application and installation

This cable can be used for LAN and WAN backbones, telecom access lines, fibre to business and fibre to the building drop connections as well as fibre to the home drop and access connections.

With its FireRes® LSHF-FR sheathing this cable is ideal for indoor and limited outdoor installations.
This cable features a high tensile strength and a degree of rodent protection, effective in many cases.
It is equally suited for installation in ducts and on trays.

Standards

ISO 11801-1, EN 50173-1, IEC 60794-1, EN 50575

Flame resistance

LSHF-FR (FRNC): IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2; EN 50399 Class D_{ca}s2d1a1, Class E_{ca}

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Construction

Loose tube	ø2.8 mm gel-filled loose tube with 2 – 24 fibres			
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	Water-blocked E-Glass fibre elements			
Cable Sheath colours	Cable with SM fibres: BendBright^{XS} G.657.A2, BendBright G.657.A1			Yellow, RAL 1018
	Cable with 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	1.5 mm FireRes® sheath, halogen free, flame retardant, UV stabilised, IEC 50290-2-27			
Sheath marking	Draka UC^{FIBRE} I/O CT LSHF-FR Dca-s2-d1-a1 3.0 kN <Fibre count> <Fibre type><Fibre brand><Item No><Factory No><Batch Number><Meter mark> U-DQ(ZN)BH <Fibre count> <Fibre family> <Core diameter> /125 <Transmission Class>			

Physical Properties

Attribute	IEC 60794-1-21/22 Method	Limits
Nominal outer diameter	-	2 - 24 fibres: 7.3 mm
Nominal weight	-	2 - 24 fibres: 65 kg/km
Maximum installation tensile strength	E1	3000 N (fibre strain ≤ 0.6%)
Permanent tensile strength	E1	1000 N (fibre strain ≤ 0.2%)
Compressive strength (crush)	E3	3500 N / 100mm
Impact	E4	20 Nm (no attenuation change, no broken cable elements)
Torsion	E7	5 cycles ± 1 turn
Kink	E10	The cables do not form a kink when a loop is drawn together to a diameter of 200 mm
Min. bending radius, unloaded (permanent)	E11	R = 73 mm
Min. bending radius, loaded (installation)	-	R = 146 mm
Temperature range	F1	Installation: -20°C to +60°C Storage: -40°C to +70°C Operation: -40°C to +70°C (in the case of ≤-20°C temperature during operation, no sharp bends are allowed & bending radius >150 mm for permanent)

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Water penetration	F5B	No water on free end
Heath of combustion	-	2 – 24 fibres: 1100 MJ/km = 0,31 kWh/m

Product Codes

Product Code	DoP Number*	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
60060232	1004823	UC^{FIBRE} I/O CT LSHF-FR 3kN 4 OM3B AQ	4	MaxCap-BB-OM3	C31
60061211	1004849	UC^{FIBRE} I/O CT LSHF-FR 3kN 6 OM3B AQ	6	MaxCap-BB-OM3	C31
60060271	1004824	UC^{FIBRE} I/O CT LSHF-FR 3kN 8 OM3B AQ	8	MaxCap-BB-OM3	C31
60060272	1004825	UC^{FIBRE} I/O CT LSHF-FR 3kN 12 OM3B AQ	12	MaxCap-BB-OM3	C31
		UC^{FIBRE} I/O CT LSHF-FR 3kN 16 OM3B AQ	16	MaxCap-BB-OM3	C31
60073151	1004851	UC^{FIBRE} I/O CT LSHF-FR 3kN 24 OM3B AQ	24	MaxCap-BB-OM3	C31
60060273	1004826	UC^{FIBRE} I/O CT LSHF-FR 3kN 4 OM4B 4003	4	MaxCap-BB-OM4	C32
60062233	1005412	UC^{FIBRE} I/O CT LSHF-FR 3kN 6 OM4B 4003	6	MaxCap-BB-OM4	C32
60060274	1004827	UC^{FIBRE} I/O CT LSHF-FR 3kN 8 OM4B 4003	8	MaxCap-BB-OM4	C32
60060275	1004828	UC^{FIBRE} I/O CT LSHF-FR 3kN 12 OM4B 4003	12	MaxCap-BB-OM4	C32
		UC^{FIBRE} I/O CT LSHF-FR 3kN 16 OM4B 4003	16	MaxCap-BB-OM4	C32
60073153	1008138	UC^{FIBRE} I/O CT LSHF-FR 3kN 24 OM4B 4003	24	MaxCap-BB-OM4	C32
		UC^{FIBRE} I/O CT LSHF-FR 3kN 4 OM5B LG	4	WideCap-OM5	C39
		UC^{FIBRE} I/O CT LSHF-FR 3kN 6 OM5B LG	6	WideCap-OM5	C39
		UC^{FIBRE} I/O CT LSHF-FR 3kN 8 OM5B LG	8	WideCap-OM5	C39
		UC^{FIBRE} I/O CT LSHF-FR 3kN 12 OM5B LG	12	WideCap-OM5	C39
		UC^{FIBRE} I/O CT LSHF-FR 3kN 24 OM5B LG	24	WideCap-OM5	C39
60066049	1006747	UC^{FIBRE} I/O CT LSHF-FR 3kN 4 SM7A1 YL	4	OS2 BendBright G.657.A1	C17
		UC^{FIBRE} I/O CT LSHF-FR 3kN 6 SM7A1 YL	6	OS2 BendBright G.657.A1	C17
60066050	1006748	UC^{FIBRE} I/O CT LSHF-FR 3kN 8 SM7A1 YL	8	OS2 BendBright G.657.A1	C17
60066051	1006749	UC^{FIBRE} I/O CT LSHF-FR 3kN 12 SM7A1 YL	12	OS2 BendBright G.657.A1	C17
		UC^{FIBRE} I/O CT LSHF-FR 3kN 24 SM7A1 YL	24	OS2 BendBright G.657.A1	C17
60060276	1004829	UC^{FIBRE} I/O CT LSHF-FR 3kN 4 SM7B YL	4	OS2 BendBright^{XS} G.657.A2 – tight geometry	C25
		UC^{FIBRE} I/O CT LSHF-FR 3kN 6 SM7B YL	6	OS2 BendBright^{XS} G.657.A2 – tight geometry	C25
60060231	1004822	UC^{FIBRE} I/O CT LSHF-FR 3kN 8 SM7B YL	8	OS2 BendBright^{XS} G.657.A2 – tight geometry	C25
60060230	1004821	UC^{FIBRE} I/O CT LSHF-FR 3kN 12 SM7B YL	12	OS2 BendBright^{XS} G.657.A2 – tight geometry	C25
		UC^{FIBRE} I/O CT LSHF-FR 3kN 24 SM7B YL	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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