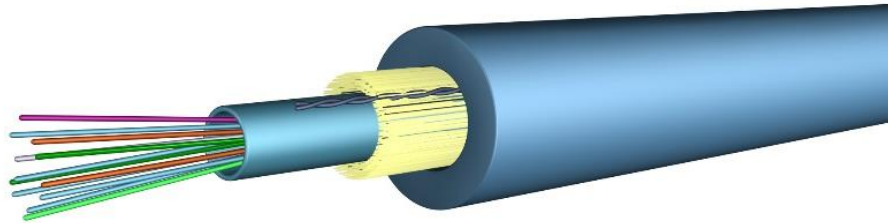
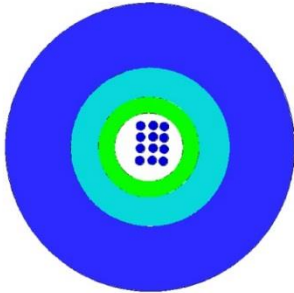


E10a: UC^{FIBRE}[™] Universal Central Tube Cable

3000N central tube cable with up to 24 fibres, glass elements and FireBur[®] sheath, VDE: U-DQ(ZN)BH



Eca
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 FireBur[®] LSHF sheathing this cable is ideal for mixed indoor and outdoor installation.

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. The cable may be used for direct burial with proper sand back filling.

Standards

ISO 11801-1, EN 50173-1:2002, IEC 60794-1

Flame resistance

LSHF (LSOH): IEC 60332-1-2, IEC 60754-1, IEC 60754-2, IEC 61034-2; Class E_{ca}

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		
Sheath	1.5 mm blue FireBur [®] sheath, UV stabilised, IEC 50290-2-27		
Sheath marking	Draka UC ^{FIBRE} I/O CT LSHF 3.0 kN <Fibre count> <Fibre type><Fibre brand><Item No><factory code><Batch Number><Meter mark> U-DQ(ZN)BH <Fibre count> <Fibre family> <Mode field diameter> /125		

E10a: UC^{FIBRE}TM Universal Central Tube Cable

Physical Properties

Attribute	IEC 60794-1-21/22 Method	Limits
Nominal outer diameter	-	2 - 24 fibres: 7.3 mm
Nominal weight	-	2 - 24 fibres: 55 kg/km
Maximum tensile strength (dynamic) [N]	E1	3000 (fibre strain ≤ 0.6%)
Permanent tensile strength [N]	E1	1000 (fibre strain ≤ 0.2%)
Compressive strength (crush)	E3	3500 N / 100mm
Impact [Nm]	E4	20 (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	Storage: -40°C to +70°C Installation: -15°C to +40°C Operation: -30°C to +70°C.
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
60011391	1003976	UC ^{FIBRE} I/O CT LSHF 3kN 4 OM2B	4	MaxCap-BB-OM2	C34
60011393	1003977	UC ^{FIBRE} I/O CT LSHF 3kN 6 OM2B	6	MaxCap-BB-OM2	C34
60011379	1003974	UC ^{FIBRE} I/O CT LSHF 3kN 8 OM2B	8	MaxCap-BB-OM2	C34
60011395	1003978	UC ^{FIBRE} I/O CT LSHF 3kN 12 OM2B	12	MaxCap-BB-OM2	C34
60019423		UC ^{FIBRE} I/O CT LSHF 3kN 16 OM2B	16	MaxCap-BB-OM2	C34
60073056	1008132	UC ^{FIBRE} I/O CT LSHF 3kN 24 OM2B	24	MaxCap-BB-OM2	C34
60011297	1003946	UC ^{FIBRE} I/O CT LSHF 3kN 4 OM3B	4	MaxCap-BB-OM3	C31
60026796	1004791	UC ^{FIBRE} I/O CT LSHF 3kN 6 OM3B	6	MaxCap-BB-OM3	C31
60011301	1003948	UC ^{FIBRE} I/O CT LSHF 3kN 8 OM3B	8	MaxCap-BB-OM3	C31
60011342	1003970	UC ^{FIBRE} I/O CT LSHF 3kN 12 OM3B	12	MaxCap-BB-OM3	C31
60019543		UC ^{FIBRE} I/O CT LSHF 3kN 16 OM3B	16	MaxCap-BB-OM3	C31
60073054	1008130	UC ^{FIBRE} I/O CT LSHF 3kN 24 OM3B	24	MaxCap-BB-OM3	C31
60019165	1004755	UC ^{FIBRE} I/O CT LSHF 3kN 4 OM4B	4	MaxCap-BB-OM4	C32
60019179	1004756	UC ^{FIBRE} I/O CT LSHF 3kN 6 OM4B	6	MaxCap-BB-OM4	C32
60019875	1004775	UC ^{FIBRE} I/O CT LSHF 3kN 8 OM4B	8	MaxCap-BB-OM4	C32
60011420	1004735	UC ^{FIBRE} I/O CT LSHF 3kN 12 OM4B	12	MaxCap-BB-OM4	C32
		UC ^{FIBRE} I/O CT LSHF 3kN 16 OM4B	16	MaxCap-BB-OM4	C32
60073055	1008131	UC ^{FIBRE} I/O CT LSHF 3kN 24 OM4B	24	MaxCap-BB-OM4	C32
60060672	1004833	UC ^{FIBRE} I/O CT LSHF 3kN 4 OM5B	4	WideCap-OM5	C39
60060673	1004834	UC ^{FIBRE} I/O CT LSHF 3kN 8 OM5B	8	WideCap-OM5	C39
60060674	1004835	UC ^{FIBRE} I/O CT LSHF 3kN 12 OM5B	12	WideCap-OM5	C39

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		UC ^{FIBRE} I/O CT LSHF 3kN 16 OM5B	16	WideCap-OM5	C39
60073060	1008134	UC ^{FIBRE} I/O CT LSHF 3kN 24 OM5B	24	WideCap-OM5	C39
60011347	1004734	UC ^{FIBRE} I/O CT LSHF 3kN 4 SM2D/A1	4	OS2 BendBright G.657.A1	C17
60019357	1004760	UC ^{FIBRE} I/O CT LSHF 3kN 6 SM2D/A1	6	OS2 BendBright G.657.A1	C17
60011295	1004731	UC ^{FIBRE} I/O CT LSHF 3kN 8 SM2D/A1	8	OS2 BendBright G.657.A1	C17
60011299	1003947	UC ^{FIBRE} I/O CT LSHF 3kN 12 SM2D/A1	12	OS2 BendBright G.657.A1	C17
60073057	1008133	UC ^{FIBRE} I/O CT LSHF 3kN 24 SM2D/A1	24	OS2 BendBright G.657.A1	C17
60019486	1004767	UC ^{FIBRE} I/O CT LSHF 3kN 4 SM7B	4	OS2 BendBright ^{XS} G.657.A2	C24
60064814	1004767	UC ^{FIBRE} I/O CT LSHF 3kN 8 SM7B	8	OS2 BendBright ^{XS} G.657.A2	C24
60073169	1008172	UC ^{FIBRE} I/O CT LSHF 3kN 24 SM7B	24	OS2 BendBright ^{XS} G.657.A2	C24
60028993		UC ^{FIBRE} I/O CT LSHF 3 kN 4SM2D/A1 80M3B	12	Hybrid 4 x OS2 singlemode + 8 x MaxCap-BB-OM3 multimode	C17/ C31
60073489		UC ^{FIBRE} I/O CT LSHF 3 kN 8SM2D/A1 80M4B	16	Hybrid 8 x OS2 singlemode + 8 x MaxCap-BB-OM4 multimode	C17/ C32
		UC ^{FIBRE} I/O CT LSHF 3 kN 12SM2D/A1 120M3B	24	Hybrid 12 x OS2 singlemode + 12 x MaxCap-BB-OM3 multimode	C17/ C31

*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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