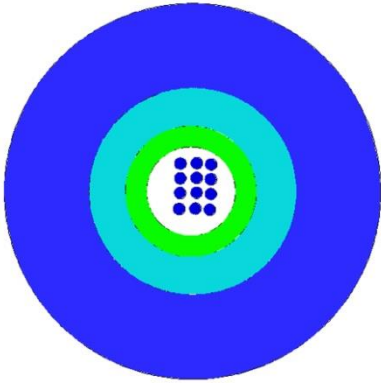


## E10a: UC<sup>FIBRE™</sup> Universal Central Tube Cable

**1500N 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 2<sup>nd</sup> edition, 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<sub>ca</sub>

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## Construction

Loose tube	ø2.8 mm gel-filled loose tube with 2 - 16 fibres; ø3.5 mm loose tube with 24 fibres			
Fibre colour code	1	Red	13	Yellow w/mark per 70 mm
	2	Green	14	White w/mark per 70 mm
	3	Blue	15	Grey w/mark per 70 mm
	4	Yellow	16	Turquoise w/mark per 70 mm
	5	White	17	Orange w/mark per 70 mm
	6	Grey	18	Pink w/mark per 70 mm
	7	Brown	19	Yellow w/mark every 35 mm
	8	Violet	20	White w/mark every 35 mm
	9	Turquoise	21	Grey w/mark every 35 mm
	10	Black	22	Turquoise w/mark every 35 mm
	11	Orange	23	Orange w/mark every 35 mm
	12	Pink	24	Pink w/mark every 35 mm
Strength member	Water-blocked E-Glass fibre elements			
Sheath	1.5 mm blue FireBur <sup>®</sup> sheath, UV stabilised, IEC 50290-2-27			
Sheath marking	Draka UC <sup>FIBRE</sup> I/O CT LSHF 1.5 kN <Fibre count> <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> U-DQ(ZN)BH <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class> G <Fibre count> <Mode field diameter>/125 QXAI-I/O/RG-JS/W			

## Physical Properties

Attribute	IEC 60794-1-2 Method	Limits
Nominal outer diameter	-	2 - 16 fibres: 7.5 mm 24 fibres: 8.0 mm
Nominal weight	-	2 - 16 fibres: 55 kg/km 24 fibres: 60 kg/km
Maximum installation tensile strength	E1	1500 N (fibre strain less than 1/2 of proof test level)
Short term tensile strength	E1	1000 N (fibre strain less than 1/3 of proof test level)
Permanent tensile strength	E1	700 N (no attenuation change, fibre strain less than 1/4 of proof test level)
Compressive strength (crush)	E3	2000 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	E11	R = 60 mm
Min. bending radius, loaded	-	R = 100 mm
Temperature range	F1	Storage: -40°C to +60°C (short term up 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 - 16 fibres: 1100 MJ/km = 0,31 kWh/m 24 fibres: 1300 MJ/km = 0,36 kWh/m

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## Product Codes

Prysmian Group Product Code	Prysmian Group Material Description	Fibre Count	Fibre Type	Fibre Data Sheet
60011391	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 4 OM2B	4	MaxCap-BB-OM2	C34
60011393	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 6 OM2B	6	MaxCap-BB-OM2	C34
60011379	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 8 OM2B	8	MaxCap-BB-OM2	C34
60011395	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 12 OM2B	12	MaxCap-BB-OM2	C34
60019423	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 16 OM2B	16	MaxCap-BB-OM2	C34
60011381	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 24 OM2B	24	MaxCap-BB-OM2	C34
60011297	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 4 OM3B	4	MaxCap-BB-OM3	C31
60026796	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 6 OM3B	6	MaxCap-BB-OM3	C31
60011301	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 8 OM3B	8	MaxCap-BB-OM3	C31
60011342	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 12 OM3B	12	MaxCap-BB-OM3	C31
60019543	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 16 OM3B	16	MaxCap-BB-OM3	C31
60018770	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 24 OM3B	24	MaxCap-BB-OM3	C31
60019165	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 4 OM4B	4	MaxCap-BB-OM4	C32
60019179	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 6 OM4B	6	MaxCap-BB-OM4	C32
60019875	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 8 OM4B	8	MaxCap-BB-OM4	C32
60011420	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 12 OM4B	12	MaxCap-BB-OM4	C32
	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 16 OM4B	16	MaxCap-BB-OM4	C32
60018848	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 24 OM4B	24	MaxCap-BB-OM4	C32
60047692	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 12 OM4B+	12	MaxCap-BB-OM4+	C37
	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 12 OM4BW	12	WideCap-BB-OM4W	C39
	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 24 OM4BW	24	WideCap-BB-OM4W	C39
60009196	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 4 MM61	4	OM1 62.5/125 multimode	C02
60019294	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 6 MM61	6	OM1 62.5/125 multimode	C02
60011345	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 8 MM61	8	OM1 62.5/125 multimode	C02
60018732	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 12 MM61	12	OM1 62.5/125 multimode	C02
60011346	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 24 MM61	24	OM1 62.5/125 multimode	C02
60011347	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 4 SM2D	4	OS2 Singlemode	C03e
60019357	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 6 SM2D	6	OS2 Singlemode	C03e
60011295	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 8 SMD2	8	OS2 Singlemode	C03e
60011299	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 12 SM2D	12	OS2 Singlemode	C03e
60046790	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 16 SM2D	16	OS2 Singlemode	C03e
60011308	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 24 SM2D	24	OS2 Singlemode	C03e
60019486	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 4 SM7B	4	BendBright <sup>XS</sup> G.657.A2	C24
60026235	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 24 SM7B	24	BendBright <sup>XS</sup> G.657.A2	C24
60028993	UC <sup>FIBRE</sup> I/O CT LSHF 1.5 kN 4SM2D 8OM3B	12	Hybrid 4 x OS2 singlemode + 8 x MaxCap-BB-OM3 multimode	C03e/ C31
60020316	UC <sup>FIBRE</sup> I/O CT LSHF 1.5kN 12SM2D 12OM3B	24	Hybrid 12 x OS2 singlemode + 12 x MaxCap-BB-OM3 multimode	C03e/ C31

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