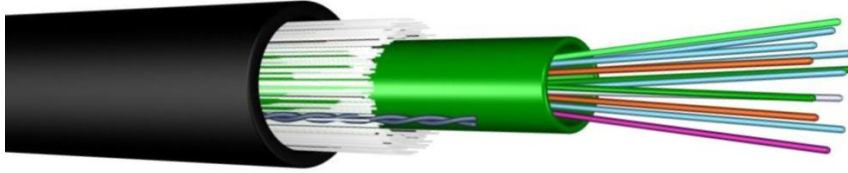


## E08a: UCFIBRE Outdoor Central Tube Cable

3000N central tube cable with up to 24 fibres, dielectric glass yarn armouring and LLDPE sheath.



EA08a 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.

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### KEY APPLICATIONS

Suitable for outdoor installation where the installation conditions are not too difficult.

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### FEATURES AND BENEFITS

- Suited for installation in ducts and on trays.
- Ideal for direct burial with proper sand back filling.
- High tensile strength

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### ADDITIONAL TECHNICAL SUPPORT

- [FAQs](https://uk.prysmiangroup.com/technical-area/faqs) - uk.prysmiangroup.com/technical-area/faqs
- [Technical email](mailto:tech.info@prysmiangroup.com) - tech.info@prysmiangroup.com
- [Live Chat](https://uk.prysmiangroup.com/technical-area) - uk.prysmiangroup.com/technical-area
- Technical hotline: 02380 295222

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### STANDARDS

ISO 11801-1

EN 50173-1:2002

IEC 60794-1

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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 per 70 mm
	2 Green	14 Green w/mark per 70 mm
	3 Blue	15 Blue w/mark per 70 mm
	4 Yellow	16 Yellow w/mark per 70 mm
	5 White	17 White w/mark per 70 mm
	6 Grey	18 Grey w/mark per 70 mm
	7 Brown	19 Brown w/mark every 70 mm
	8 Violet	20 Violet w/mark every 70 mm
	9 Turquoise	21 Turquoise w/mark every 70 mm
	10 Black	22 White w/mark every 35 mm
	11 Orange	23 Orange w/mark every 70 mm
	12 Pink	24 Pink w/mark every 70 mm
Strength member	Water-blocked E-Glass fibre elements	
Sheath	1.2 mm black LLDPE sheath, IEC 60811, IEC 60708	
Sheath marking	Draka UCFIBRE O CT PE 3.0 kN <Fibre count> <Fibre type><Fibre brand><Item No><factory code><Batch Number><Meter mark> A-DQ(ZN)B2Y <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>	

## APPLICATIONS PROPERTIES

Nominal outer diameter	2 – 24 fibres: 6.7 mm
Nominal weight	2 – 24 fibres: 40 kg/km
Maximum tensile strength (dynamic) [N]	3000 (fibre strain ≤ 0.6%)
Tensile strength (permanent) [N]	1000 (fibre strain ≤ 0.6%)
Compressive strength (crush) (N/100mm)	3000
Impact [Nm]	20
Torsion	5 cycles + 1 turn
Kink	No kink at 200 mm diameter
Min. bending radius, unloaded (permanent)	R = 67 mm
Min. bending radius, loaded (installation)	R = 134 mm
Temperature range	- 40°C to + 70°C
Water penetration	No water on free end

## COLOURS

Insulation: Brown, Blue  
 Alternatively, Brown, Brown (for 2x1.0 and 2x1.5 only)  
 Sheath: Grey

## TECHNICAL DATA

Product code	DOP numbers	Product description	Fibre count	Fibre type	Fibre datasheet
60029226		UC <sup>FIBRE</sup> O CT PE 3kN 2 OM2B	2	MaxCap-BB-OM2	C34
60011397	1010627	UC <sup>FIBRE</sup> O CT PE 3kN 4 OM2B	4	MaxCap-BB-OM2	C34
60020278		UC <sup>FIBRE</sup> O CT PE 3kN 6 OM2B	6	MaxCap-BB-OM2	C34
60011378	1010625	UC <sup>FIBRE</sup> O CT PE 3kN 8 OM2B	8	MaxCap-BB-OM2	C34
60011380	1010626	UC <sup>FIBRE</sup> O CT PE 3kN 12 OM2B	12	MaxCap-BB-OM2	C34
60019409		UC <sup>FIBRE</sup> O CT PE 3kN 16 OM2B	16	MaxCap-BB-OM2	C34
60073047	1010712	UC <sup>FIBRE</sup> O CT PE 3kN 24 OM2B	24	MaxCap-BB-OM2	C34
60020590		UC <sup>FIBRE</sup> O CT PE 3kN 2 OM3B	2	MaxCap-BB-OM3	C31
60020056	1010704	UC <sup>FIBRE</sup> O CT PE 3kN 4 OM3B	4	MaxCap-BB-OM3	C31
60029638	1010707	UC <sup>FIBRE</sup> O CT PE 3kN 6 OM3B	6	MaxCap-BB-OM3	C31
60047007	1010708	UC <sup>FIBRE</sup> O CT PE 3kN 8 OM3B	8	MaxCap-BB-OM3	C31
60019415	1010703	UC <sup>FIBRE</sup> O CT PE 3kN 12 OM3B	12	MaxCap-BB-OM3	C31
60073048	1010713	UC <sup>FIBRE</sup> O CT PE 3kN 24 OM3B	24	MaxCap-BB-OM3	C31
60055021		UC <sup>FIBRE</sup> O CT PE 3kN 2 OM4B	2	MaxCap-BB-OM4	C32
60019381	1010705	UC <sup>FIBRE</sup> O CT PE 3kN 4 OM4B	4	MaxCap-BB-OM4	C32
60019382	1010702	UC <sup>FIBRE</sup> O CT PE 3kN 8 OM4B	8	MaxCap-BB-OM4	C32
60047946	1010709	UC <sup>FIBRE</sup> O CT PE 3kN 12 OM4B	12	MaxCap-BB-OM4	C32
		UC <sup>FIBRE</sup> O CT PE 3kN 16 OM4B	16	MaxCap-BB-OM4	C32
60073125	1010714	UC <sup>FIBRE</sup> O CT PE 3kN 24 OM4B	24	MaxCap-BB-OM4	C32
60019593		UC <sup>FIBRE</sup> O CT PE 3kN 2 MM61	2	OM1 62.5/125	C02
60011341		UC <sup>FIBRE</sup> O CT PE 3kN 4 MM61	4	OM1 62.5/125	C02
60018761		UC <sup>FIBRE</sup> O CT PE 3kN 6 MM61	6	OM1 62.5/125	C02
60018819		UC <sup>FIBRE</sup> O CT PE 3kN 8 MM61	8	OM1 62.5/125	C02

60018766		UC <sup>FIBRE</sup> O CT PE 3kN 12 MM61	12	OM1 62.5/125	C02
60040811		UC <sup>FIBRE</sup> O CT PE 3kN 16 MM61	16	OM1 62.5/125	C02
60073106		UC <sup>FIBRE</sup> O CT PE 3kN 24 MM61	24	OM1 62.5/125	C02
60018939		UC <sup>FIBRE</sup> O CT PE 3kN 2 SM2D/A1	2	OS2 BendBright G.657.A1	C17
60018842	1010701	UC <sup>FIBRE</sup> O CT PE 3kN 4 SM2D/A1	4	OS2 BendBright G.657.A1	C17
60018762	1010628	UC <sup>FIBRE</sup> O CT PE 3kN 6 SM2D/A1	6	OS2 BendBright G.657.A1	C17
60018764	1010629	UC <sup>FIBRE</sup> O CT PE 3kN 8 SM2D/A1	8	OS2 BendBright G.657.A1	C17
60018767	1010700	UC <sup>FIBRE</sup> O CT PE 3kN 12 SM2D/A1	12	OS2 BendBright G.657.A1	C17
60018843		UC <sup>FIBRE</sup> O CT PE 3kN 16 SM2D/A1	16	OS2 BendBright G.657.A1	C17
60073046	1010711	UC <sup>FIBRE</sup> O CT PE 3kN 24 SM2D/A1	24	OS2 BendBright G.657.A1	C17
		UC <sup>FIBRE</sup> O CT PE 3kN 4 SM7B	4	OS2 BendBrightXS G.657.A2	C24
		UC <sup>FIBRE</sup> O CT PE 3kN 6 SM7B	6	OS2 BendBrightXS G.657.A2	C24
		UC <sup>FIBRE</sup> O CT PE 3kN 8 SM7B	8	OS2 BendBrightXS G.657.A2	C24
60077296		UC <sup>FIBRE</sup> O CT PE 3kN 12 SM7B	12	OS2 BendBrightXS G.657.A2	C24
		UC <sup>FIBRE</sup> O CT PE 3kN 16 SM7B	16	OS2 BendBrightXS G.657.A2	C24
		UC <sup>FIBRE</sup> O CT PE 3kN 24 SM7B	24	OS2 BendBrightXS G.657.A2	C24
		UC <sup>FIBRE</sup> O CT PE 3 kN 24 SM2D/A1 MM61	24	Hybrid 12xOS2 G.652.D + 12xOM1 62.5/125	C17/ C02

\*The embodied carbon figure is taken from a single product in the range, for more information on how we calculate our embodied carbon figure visit here: <https://uk.prysmian.com/markets/electrification/industrial-and-construction/embodied-carbon>