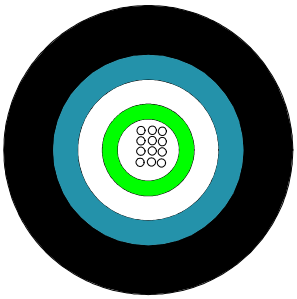
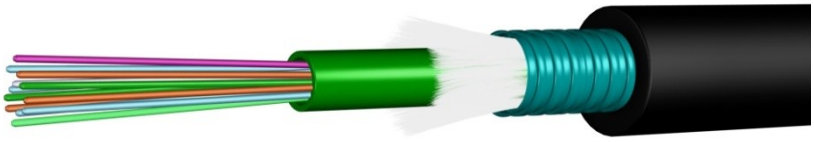
E06a: UC^{FIBRE} outdoor central tube cable

1000 N armoured central tube cable w. 2 – 24 fibres, glass yarns, steel armouring and PE sheath. VDE: A-DQ(ZN)(SR)2Y





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 MDPE sheathing this cable is ideal for outdoor installation.
The cable, having a corrugated steel tape armouring is rodent proof.
The cable is well suited for installation in ducts and on trays.
The cable is excellent for direct burial with proper sand back filling.

Standards

ISO 11801 2nd edition, EN 50173-1:2002, IEC 60794-1

Flame resistance

None

Construction

Loose tube	ø2.8 mm jelly 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	E-Glass yarns			
Armouring	0.15 mm corrugated steel tape			
Sheath	1.5 mm black MDPE sheath, IEC 60811, IEC 60708			
Sheath marking	Draka UC^{FIBRE} O CT N MA PE 1.0 kN <Fibre count> <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> A-DQ(ZN)(SR)BH <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class> G <Fibre count> <Mode field diameter>/125 QANE			

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Physical properties

Property	IEC 60794-1-1 Test method	Value
Nominal outer diameter	-	2 - 16 fibres: 8.5 mm 18 - 24 fibres: 8.5 mm
Nominal weight	-	2 - 16 fibres: 75 kg/km 18 - 24 fibres: 80 kg/km
Tensile strength (dynamic)	E1	1000 N
Tensile strength (permanent)	E1	500 N
Compressive strength (crush)	E3	2000N
Impact	E4	10 Nm
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 100 mm
Min. Bending radius, unloaded	E11	R = 55 mm
Min. Bending radius, loaded	-	R = 110 mm
Temperature range	F1	Storage and installation: -40°C to +70°C Operation: -40°C to +70°C. The max. attenuation variation in the operational temperature range is: For M6 and M5 fibres: 0.5 dB/km For SM fibres: 0.2 dB/km.

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Product codes – ordering information

Prysmian group material code	Prysmian Group material description	Draka Material code	Fibre count	Fibre type	Fibre data sheet
	UC^{FIBRE} O CT N MA PE 1.0kN 2 OM2B		2	MaxCap-BB-OM2 500/500	C34
	UC^{FIBRE} O CT N MA PE 1.0kN 4 OM2B		4	MaxCap-BB-OM2 500/500	C34
	UC^{FIBRE} O CT N MA PE 1.0kN 6 OM2B		6	MaxCap-BB-OM2 500/500	C34
	UC^{FIBRE} O CT N MA PE 1.0kN 8 OM2B		8	MaxCap-BB-OM2 500/500	C34
60018894	UC^{FIBRE} O CT N MA PE 1.0kN 12 OM2B		12	MaxCap-BB-OM2 500/500	C34
	UC^{FIBRE} O CT N MA PE 1.0kN 24 OM2B		24	MaxCap-BB-OM2 500/500	C34
60018856	UC^{FIBRE} O CT N MA PE 1.0kN 4 OM3B	1018235	4	MaxCap-BB-OM3	C31
60019590	UC^{FIBRE} O CT N MA PE 1.0kN 6 OM3B	1022779	6	MaxCap-BB-OM3	C31
60019384	UC^{FIBRE} O CT N MA PE 1.0kN 8 OM3B	1021625	8	MaxCap-BB-OM3	C31
60011435	UC^{FIBRE} O CT N MA PE 1.0kN 12 OM3B	1020889	12	MaxCap-BB-OM3	C31
60019386	UC^{FIBRE} O CT N MA PE 1.0kN 16 OM3B	1021627	16	MaxCap-BB-OM3	C31
60019387	UC^{FIBRE} O CT N MA PE 1.0kN 24 OM3B	1021628	24	MaxCap-BB-OM3	C31
	UC^{FIBRE} O CT N MA PE 1.0kN 4 OM4B		4	MaxCap-BB-OM4	C32
	UC^{FIBRE} O CT N MA PE 1.0kN 6 OM4B		6	MaxCap-BB-OM4	C32
	UC^{FIBRE} O CT N MA PE 1.0kN 8 OM4B		8	MaxCap-BB-OM4	C32
	UC^{FIBRE} O CT N MA PE 1.0kN 12 OM4B		12	MaxCap-BB-OM4	C32
	UC^{FIBRE} O CT N MA PE 1.0kN 16 OM4B		16	MaxCap-BB-OM4	C32
	UC^{FIBRE} O CT N MA PE 1.0kN 24 OM4B		24	MaxCap-BB-OM4	C32
60019683	UC^{FIBRE} O CT N MA PE 1.0kN 2 MM61	1024793	2	OM1 62.5/125 multi mode	C02
60018741	UC^{FIBRE} O CT N MA PE 1.0kN 4 MM61	1016980	4	OM1 62.5/125 multi mode	C02
60018743	UC^{FIBRE} O CT N MA PE 1.0kN 6 MM61	1016982	6	OM1 62.5/125 multi mode	C02
60018746	UC^{FIBRE} O CT N MA PE 1.0kN 8 MM61	1016985	8	OM1 62.5/125 multi mode	C02
60018749	UC^{FIBRE} O CT N MA PE 1.0kN 12 MM61	1016988	12	OM1 62.5/125 multi mode	C02
60011298	UC^{FIBRE} O CT N MA PE 1.0kN 16 MM61	1017853	16	OM1 62.5/125 multi mode	C02
60011745	UC^{FIBRE} O CT N MA PE 1.0kN 24 MM61	1017440	24	OM1 62.5/125 multi mode	C02
60018976	UC^{FIBRE} O CT N MA PE 1.0kN 2 SM2D	1019320	2	OS2 Single mode	C03e
60018850	UC^{FIBRE} O CT N MA PE 1.0kN 4 SM2D	1017930	4	OS2 Single mode	C03e
60018744	UC^{FIBRE} O CT N MA PE 1.0kN 6 SM2D	1016983	6	OS2 Single mode	C03e
60018747	UC^{FIBRE} O CT N MA PE 1.0kN 8 SM2D	1016986	8	OS2 Single mode	C03e
60018931	UC^{FIBRE} O CT N MA PE 1.0kN 10 SM2D	1019011	10	OS2 Single mode	C03e
60018750	UC^{FIBRE} O CT N MA PE 1.0kN 12 SM2D	1016989	12	OS2 Single mode	C03e
60011340	UC^{FIBRE} O CT N MA PE 1.0kN 16 SM2D	1020193	16	OS2 Single mode	C03e
60018751	UC^{FIBRE} O CT N MA PE 1.0kN 24 SM2D	1016990	24	OS2 Single mode	C03e