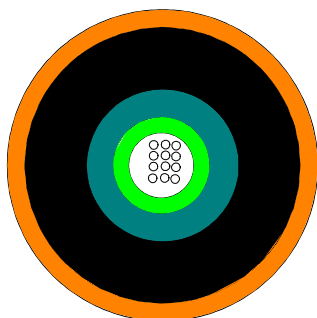


E13a: UC^{FIBRE™} Outdoor central tube cable

Central tube cable w. 2- 24 fibres, glass elements, LLDPE sheath, PA outer sheath. VDE A-DQB2Y4Y



Application and installation

The cable is well suited for outdoor LAN and WAN backbones, campus networks and telecom access connections.

The cable may be installed in ducts by blowing or flooding.

The cable may also be directly buried if the conditions are not too difficult. The outer PA sheath provides a degree of rodent protection.

Standards

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

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 every 70 mm
	2	Green	14	White w/mark every 70 mm
	3	Blue	15	Grey w/mark every 70 mm
	4	Yellow	16	Turquoise w/mark every 70 mm
	5	White	17	Orange w/mark every 70 mm
	6	Grey	18	Pink w/mark every 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	Waterblocked E-Glass fibre elements			
Sheath	1.2 mm black LLDPE sheath, IEC 60811, IEC 60708			
Jacket	0.5 mm orange PA, UV stabilised			
Sheath marking	Draka UC ^{FIBRE} O CT D DA PE PA 1.5 kN <Fibre count> <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> A-DQ(ZN)B2Y4Y <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>			

E13a: UC^{FIBRE™} Outdoor central tube cable

Physical properties

Attribute	IEC 60794-1-2 Method	Limits
Nominal outer diameter	-	2 - 16 fibres: 8 mm 18 - 24 fibres: 8.5 mm
Nominal weight	-	2 - 16 fibres: 65 kg/km 18 - 24 fibres: 70 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	3000 N
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

E13a: UC^{FIBRE™} Outdoor central tube cable

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 D DA PE PA 1.5kN 4 OM2B	1024615	4	MaxCap-BB-OM2	C34
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 6 OM2B		6	MaxCap-BB-OM2	C34
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 8 OM2B		8	MaxCap-BB-OM2	C34
60018950	UC ^{FIBRE} O CT D DA PE PA 1.5kN 12 OM2B	1019145	12	MaxCap-BB-OM2	C34
60031864	UC ^{FIBRE} O CT D DA PE PA 1.5kN 24 OM2B	1019146	24	MaxCap-BB-OM2	C34
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 4 OM3B		4	MaxCap-BB-OM3	C31
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 6 OM3B		6	MaxCap-BB-OM3	C31
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 8 OM3B		8	MaxCap-BB-OM3	C31
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 12 OM3B		12	MaxCap-BB-OM3	C31
60039651	UC ^{FIBRE} O CT D DA PE PA 1.5kN 16 OM3		16	MaxCap-BB-OM3	C31
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 24 OM3B		24	MaxCap-BB-OM3	C31
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 4 OM4B		4	MaxCap-BB-OM4	C32
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 6 OM4B		6	MaxCap-BB-OM4	C32
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 8 OM4B		8	MaxCap-BB-OM4	C32
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 12 OM4B		12	MaxCap-BB-OM4	C32
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 16 OM4B		16	MaxCap-BB-OM4	C32
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 24 OM4B		24	MaxCap-BB-OM4	C32
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 4 MM61		4	OM1 62.5/125 multi mode	C02
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 6 MM61		6	OM1 62.5/125 multi mode	C02
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 8 MM61		8	OM1 62.5/125 multi mode	C02
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 12 MM61	1018642	12	OM1 62.5/125 multi mode	C02
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 16 MM61		16	OM1 62.5/125 multi mode	C02
60029568	UC ^{FIBRE} O CT D DA PE PA 1.5kN 24 MM61	1018644	24	OM1 62.5/125 multi mode	C02
60019669	UC ^{FIBRE} O CT D DA PE PA 1.5kN 2 SM2D	1024614	2	OS2 single mode	C03e
60019670	UC ^{FIBRE} O CT D DA PE PA 1.5kN 4 SM2D		4		C03e
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 6 SM2D		6		C03e
60018944	UC ^{FIBRE} O CT D DA PE PA 1.5kN 8 SM2D	1019086	8	OS2 single mode	C03e
60018889	UC ^{FIBRE} O CT D DA PE PA 1.5kN 12 SM2D	1018641	12	OS2 single mode	C03e
	UC ^{FIBRE} O CT D DA PE PA 1.5kN 12 SM2D		16	OS2 single mode	C03e
60018890	UC ^{FIBRE} O CT D DA PE PA 1.5kN 24 SM2D	1018643	24	OS2 single mode	C03e

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