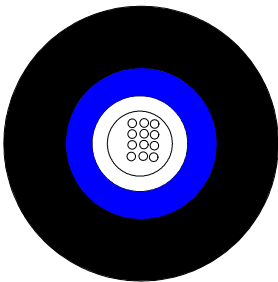


E09: UC^{FIBRE}™ Outdoor central tube cable

3000N Central tube cable w. 2 – 24 fibres, glass elements and LLDPE sheath, VDE A-DQ(ZN)B2Y



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 LLDPE sheathing this cable is ideal for outdoor installation.

The cable features a very high tensile strength and a degree of rodent protection, effective in most cases.

It is equally suited for installation in ducts and on trays. The cable is well suited for direct burial with proper sand back filling.

Standards

ISO 11801-1, 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	Red w/mark every 70 mm
	2	Green	14	Green w/mark every 70 mm
	3	Blue	15	Blue w/mark every 70 mm
	4	Yellow	16	Yellow w/mark every 70 mm
	5	White	17	White w/mark every 70 mm
	6	Grey	18	Grey w/mark every 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	1.8 mm black LLDPE sheath, IEC 60811, IEC 60708			
Sheath marking	Draka UC ^{FIBRE} 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>			

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Physical properties

IEC 60794-1-21/22

Property	Test method	Value
Nominal outer diameter	-	2 - 16 fibres: 9.0 mm 18 - 24 fibres: 9.5 mm
Nominal weight	-	2 - 16 fibres: 70 kg/km 18 - 24 fibres: 75 kg/km
Maximum installation tensile strength	E1	3000 N (fibre strain < 0.5%)
Permanent tensile strength	E1	1000 N (fibre strain < 0.2%)
Compressive strength (crush)	E3	3000N
Impact	E4	25 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 = 100 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 +60°C Operation: -40°C to +70°C
Water penetration	F5B	No water on free end

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Product codes – ordering information

Product code	Product description	Fibre count	Fibre type	Fibre data sheet
	UC ^{FIBRE} O CT PE 3.0kN 8 OM2B	8	MaxCap-BB-OM2	C34
60020123	UC ^{FIBRE} O CT PE 3.0kN 12 OM2B	12	MaxCap-BB-OM2	C34
60019377	UC ^{FIBRE} O CT PE 3.0kN 24 OM2B	24	MaxCap-BB-OM2	C34
	UC ^{FIBRE} O CT PE 3.0kN 4 OM3B	4	MaxCap-BB-OM3	C31
	UC ^{FIBRE} O CT PE 3.0kN 6 OM3B	6	MaxCap-BB-OM3	C31
	UC ^{FIBRE} O CT PE 3.0kN 8 OM3B	8	MaxCap-BB-OM3	C31
60025493	UC ^{FIBRE} O CT PE 3.0kN 12 OM3B	12	MaxCap-BB-OM3	C31
60018888	UC ^{FIBRE} O CT PE 3.0kN 24 OM3B	24	MaxCap-BB-OM3	C31
	UC ^{FIBRE} O CT PE 3.0kN 2 MM61	2	OM1 62.5/125	C02
60018794	UC ^{FIBRE} O CT PE 3.0kN 12 MM61	12	OM1 62.5/125	C02
60025648	UC ^{FIBRE} O CT PE 3.0kN 24 MM61	24	OM1 62.5/125	C02
	UC ^{FIBRE} O CT PE 3.0kN 4 SM2D	4	OS2 G.652.D	C03e
	UC ^{FIBRE} O CT PE 3.0kN 6 SM2D	6	OS2 G.652.D	C03e
60018821	UC ^{FIBRE} O CT PE 3.0kN 8 SM2D	8	OS2 G.652.D	C03e
60020739	UC ^{FIBRE} O CT PE 3.0kN 12 SM2D	12	OS2 G.652.D	C03e
60019475	UC ^{FIBRE} O CT PE 3.0kN 16 SM2D	16	OS2 G.652.D	C03e
60011357	UC ^{FIBRE} O CT PE 3.0kN 24 SM2D	24	OS2 G.652.D	C03e

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