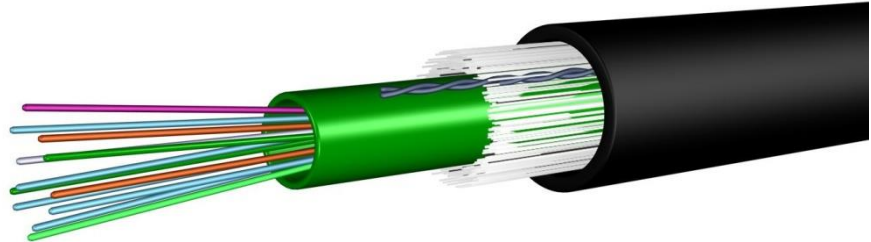
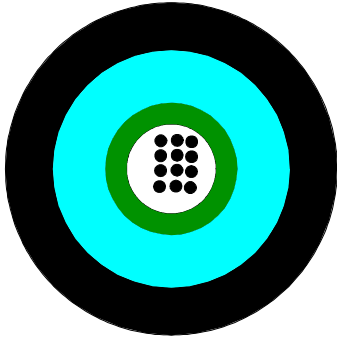


E16a: UC^{FIBRE} Outdoor central tube cable

2000N central tube cable with 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 where the installation conditions are not too difficult. The 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.

Standards

ISO 11801-1, EN 50173-1:2002, IEC 60794-1

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	1.0 mm black LLDPE sheath, IEC 60811, IEC 60708			
Sheath marking	Draka UC ^{FIBRE} O CT PE 2.0 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>			

E16a: UC^{FIBRE} Outdoor central tube cable

Physical properties

Attribute	IEC 60794-1-21/22 Method	Limits
Nominal outer diameter	-	2 - 24 fibres: 5.8 mm
Nominal weight	-	2 - 24 fibres: 40 kg/km
Maximum installation tensile strength	E1	2000 N (fibre strain ≤ 0.6%)
Permanent tensile strength	E1	750 N (fibre strain ≤ 0.2%)
Compressive strength (crush)	E3	2000 N
Impact	E4	15 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 100 mm
Min. bending radius, unloaded	E11	R = 58 mm
Min. bending radius, loaded	-	R = 116 mm
Temperature range	F1	Storage: -40°C to +70°C Installation: -20°C to +60°C Operation: -20°C to +70°C.
Water penetration	F5B	No water on free end

E16a: UC^{FIBRE} Outdoor central tube cable

Product codes – ordering information

Product code	Product description	Fibre count	Fibre type	Fibre data sheet
60018822	UC ^{FIBRE} O CT PE 2kN 4 OM2B	4	MaxCap-BB-OM2	C34
60018807	UC ^{FIBRE} O CT PE 2kN 6 OM2B	6	MaxCap-BB-OM2	C34
60018823	UC ^{FIBRE} O CT PE 2kN 8 OM2B	8	MaxCap-BB-OM2	C34
60018778	UC ^{FIBRE} O CT PE 2kN 12 OM2B	12	MaxCap-BB-OM2	C34
	UC ^{FIBRE} O CT PE 2kN 24 OM2B	24	MaxCap-BB-OM2	C34
60019674	UC ^{FIBRE} O CT PE 2kN 6 OM3B	6	MaxCap-BB-OM3	C31
60018967	UC ^{FIBRE} O CT PE 2kN 12 OM3B	12	MaxCap-BB-OM3	C31
	UC ^{FIBRE} O CT PE 2kN 24 OM3B	24	MaxCap-BB-OM3	C31
	UC ^{FIBRE} O CT PE 2kN 4 OM4B	4	MaxCap-BB-OM4	C32
	UC ^{FIBRE} O CT PE 2kN 6 OM4B	6	MaxCap-BB-OM4	C32
	UC ^{FIBRE} O CT PE 2kN 8 OM4B	8	MaxCap-BB-OM4	C32
	UC ^{FIBRE} O CT PE 2kN 12 OM4B	12	MaxCap-BB-OM4	C32
60073262	UC ^{FIBRE} O CT PE 2kN 24 OM4B	24	MaxCap-BB-OM4	C32
60018774	UC ^{FIBRE} O CT PE 2kN 6 MM61	6	OM1 62.5/125	C02
60018966	UC ^{FIBRE} O CT PE 2kN 8 MM61	8	OM1 62.5/125	C02
60018777	UC ^{FIBRE} O CT PE 2kN 12 MM61	12	OM1 62.5/125	C02
60018773	UC ^{FIBRE} O CT PE 2kN 4 SM2D	4	OS2 G.652.D	C03
60018775	UC ^{FIBRE} O CT PE 2kN 6 SM2D	6	OS2 G.652.D	C03
60045335	UC ^{FIBRE} O CT PE 2kN 8 SM2D	8	OS2 G.652.D	C03
60011352	UC ^{FIBRE} O CT PE 2kN 12 SM2D	12	OS2 G.652.D	C03
	UC ^{FIBRE} O CT PE 2kN 16 SM2D	16	OS2 G.652.D	C03
	UC ^{FIBRE} O CT PE 2kN 24 SM2D	24	OS2 G.652.D	C03
	UC ^{FIBRE} O CT PE 2kN 4 SM7A1	4	OS2 BendBright G.657.A1	C17
	UC ^{FIBRE} O CT PE 2kN 6 SM7A1	6	OS2 BendBright G.657.A1	C17
	UC ^{FIBRE} O CT PE 2kN 8 SM7A1	8	OS2 BendBright G.657.A1	C17
	UC ^{FIBRE} O CT PE 2kN 12 SM7A1	12	OS2 BendBright G.657.A1	C17
	UC ^{FIBRE} O CT PE 2kN 16 SM7A1	16	OS2 BendBright G.657.A1	C17
	UC ^{FIBRE} O CT PE 2kN 24 SM7A1	24	OS2 BendBright G.657.A1	C17

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