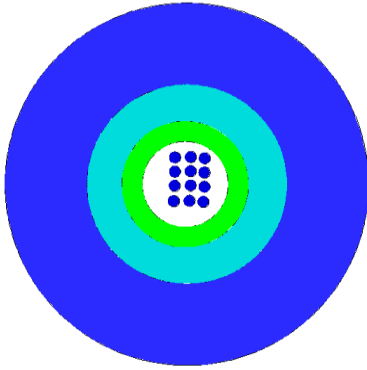


## E11a: UC<sup>FIBRE</sup> Universal central tube cable

**3000N central tube cable w. 2 – 24 fibres, glass elements and FireBur® sheath, VDE U-DQ(ZN)BH**



### 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 FireBur® LSOH sheathing this cable is ideal for mixed indoor and outdoor installation. This 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 2<sup>nd</sup> edition, EN 50173-1:2002, IEC 60794-1

### Flame resistance

IEC 60332-1-2, IEC 60754-1, IEC 60754-2, IEC 61034-2

### 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	Waterblocked E-Glass fibre elements			

## E11a: UC<sup>FIBRE</sup> Universal central tube cable

Sheath	1.8 mm blue FireBur <sup>®</sup> sheath, UV stabilised, IEC 50290-2-27
Sheath marking	Draka UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0 kN <Fibre count> <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> U-DQ(ZN)BH <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>

### Physical properties

### IEC 60794-1-2

Attribute	IEC 60794-1-2 Method	Limits
Nominal outer diameter	-	2 - 16 fibres: 9.0 mm 18 - 24 fibres: 9.5 mm
Nominal weight	-	2 - 16 fibres: 80 kg/km 18 - 24 fibres: 85 kg/km
Maximum installation tensile strength	E1	3000 N (fibre strain less than 1/2 of proof test level)
Short term tensile strength	E1	2000 N (fibre strain less than 1/3 of proof test level)
Permanent tensile strength	E1	1000 N (no attenuation change; fibre strain less than 1/4 of proof test level)
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 +40°C Operation: -40°C to +70°C
Water penetration	F5B	No water on free end
Heat of combustion	-	2-16 fibres: 1300 MJ/km = 0.36 kWh/m 24 fibres: 1460 MJ/km = 0.41kWh/km

# E11a: UC<sup>FIBRE</sup> Universal 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 <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 4 OM3B		4	MaxCap-BB-OM2	C34
	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 12 OM3B		12	MaxCap-BB-OM2	C34
	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 24 OM3B		24	MaxCap-BB-OM2	C34
60020258	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 6 OM3B	1027407	6	MaxCap-BB-OM3	C31
60019408	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 8 OM3B	1021745	8	MaxCap-BB-OM3	C31
60019293	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 12 OM3B	1020690	12	MaxCap-BB-OM3	C31
60019277	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 24 OM3B	1020536	24	MaxCap-BB-OM3	C31
60020627	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 4 OM4B	1029410	4	MaxCap-BB-OM4	C32
60020718	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 12 OM4B	1029712	12	MaxCap-BB-OM4	C32
60020719	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 24 OM4B	1029713	24	MaxCap-BB-OM4	C32
60019285	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 12 MM61	1020605	12	OM1 62.5/125 multi mode	C02
60018878	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 4 SM2D	1018559	4	OS2 Single mode G652.D	C03e
60029846	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 6 SM2D	1020604	6	OS2 Single mode G652.D	C03e
60018866	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 8 SM2D	1018284	8	OS2 Single mode G652.D	C03e
60018797	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 12 SM2D	1017199	12	OS2 Single mode G652.D	C03e
60018798	UC <sup>FIBRE</sup> I/O CT D DA LSHF 3.0kN 24 SM2D	1017200	24	OS2 Single mode G652.D	C03e