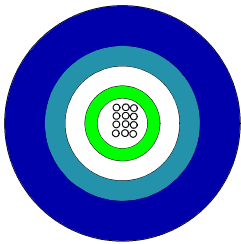


E07a: UC^{FIBRE} Universal central tube cable

1000N armoured central tube cable w. 2 – 24 fibres, glass yarns, steel armouring and FireBur® sheath.

DIN/VDE U-DQ(ZN)(SR)H



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® sheathing this cable is ideal for indoor/outdoor mixed installation.

The cable, having a corrugated steel tape armouring is rodent proof.

The cable is well suited for installation in ducts and on trays, indoor as well as outdoor.

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

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	E-Glass yarns			
Armouring	0.15 mm corrugated steel tape			
Sheath	1.5 mm blue FireBur sheath, UV stabilised, EN 50290-2-27			
Sheath marking	Draka UC ^{FIBRE} I/O CT N MA LSHF 1.0 kN <Fibre count> <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> U-DQ(ZN)(SR)H <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>			

E07a: UC^{FIBRE} Universal central tube cable

Physical properties

Nominal outer diameter	-	2 - 16 fibres: 8.5 mm 24 fibres: 8.5 mm
Nominal weight	-	2 - 16 fibres: 75 kg/km 24 fibres: 85 kg/km
Tensile strength (dynamic)	E1	1000 N
Tensile strength (permanent)	E1	500 N
Compressive strength (crush)	E3	2000N
Torsion	E7	5 cycles $\pm$ 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	E11	R = 55 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
Heat of combustion		2-16 fibres: 1200 MJ/km 0.33 kWh/m 24 fibres: 1300 MJ/km 0.36 kWh/m

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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
60018752	UCFIBRE I/O CT N MA LSHF 1.0 kN 4 MM52		4	OM2 50/125 multimode 600/1200	C01
	UCFIBRE I/O CT N MA LSHF 1.0 kN 6 MM52		6	OM2 50/125 multimode 600/1200	C01
	UCFIBRE I/O CT N MA LSHF 1.0 kN 8 MM52		8	OM2 50/125 multimode 600/1200	C01
60018757	UCFIBRE I/O CT N MA LSHF 1.0 kN 12 MM52		12	OM2 50/125 multimode 600/1200	C01
	UCFIBRE I/O CT N MA LSHF 1.0 kN 24 MM52		24	OM2 50/125 multimode 600/1200	C01
	UCFIBRE I/O CT N MA LSHF 1.0 kN 4 MM52		4	MaxCap-BB-OM2	C34
	UCFIBRE I/O CT N MA LSHF 1.0 kN 6 MM52		6	MaxCap-BB-OM2	C34
	UCFIBRE I/O CT N MA LSHF 1.0 kN 8 MM52		8	MaxCap-BB-OM2	C34
	UCFIBRE I/O CT N MA LSHF 1.0 kN 12 MM52		12	MaxCap-BB-OM2	C34
	UCFIBRE I/O CT N MA LSHF 1.0 kN 24 MM52		24	MaxCap-BB-OM2	C34
	UCFIBRE I/O CT N MA LSHF 1.0 kN 4 OM3B		4	MaxCap-BB-OM3	C31
60020317	UCFIBRE I/O CT N MA LSHF 1.0 kN 6 OM3B	1027611	6	MaxCap-BB-OM3	C31
	UCFIBRE I/O CT N MA LSHF 1.0 kN 8 OM3B		8	MaxCap-BB-OM3	C31
	UCFIBRE I/O CT N MA LSHF 1.0 kN 12 OM3B		12	MaxCap-BB-OM3	C31
	UCFIBRE I/O CT N MA LSHF 1.0 kN 24 OM3B		24	MaxCap-BB-OM3	C31
	UCFIBRE I/O CT N MA LSHF 1.0 kN 4 OM4B		4	MaxCap-BB-OM4	C32
	UCFIBRE I/O CT N MA LSHF 1.0 kN 6 OM4B		6	MaxCap-BB-OM4	C32
	UCFIBRE I/O CT N MA LSHF 1.0 kN 8 OM4B		8	MaxCap-BB-OM4	C32
	UCFIBRE I/O CT N MA LSHF 1.0 kN 12 OM4B		12	MaxCap-BB-OM4	C32
	UCFIBRE I/O CT N MA LSHF 1.0 kN 24 OM4B		24	MaxCap-BB-OM4	C32
60018753	UCFIBRE I/O CT N MA LSHF 1.0 kN 4 MM61	1016997	4	OM1 62.5/125 multimode	C02
60018754	UCFIBRE I/O CT N MA LSHF 1.0 kN 6 MM61	1016999	6	OM1 62.5/125 multimode	C02
60018756	UCFIBRE I/O CT N MA LSHF 1.0 kN 8 MM61	1017002	8	OM1 62.5/125 multimode	C02
60018758	UCFIBRE I/O CT N MA LSHF 1.0 kN 12 MM61	1017005	12	OM1 62.5/125 multimode	C02
60019379	UCFIBRE I/O CT N MA LSHF 1.0 kN 24 MM61	1021558	24	OM1 62.5/125 multimode	C02
60019682	UCFIBRE I/O CT N MA LSHF 1.0 kN 4 SM2D	1024776	4	OS2 Single mode	C03e
60018755	UCFIBRE I/O CT N MA LSHF 1.0 kN 6 SM2D	1017000	6	OS2 Single mode	C03e
60033012	UCFIBRE I/O CT N MA LSHF 1.0 kN 8 SM2D	1017003	8	OS2 Single mode	C03e
60018759	UCFIBRE I/O CT N MA LSHF 1.0 kN 12 SM2D	1017006	12	OS2 Single mode	C03e
	UCFIBRE I/O CT N MA LSHF 1.0 kN 24 SM2D	1017007	24	OS2 Single mode	C03e

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