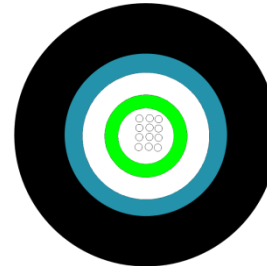
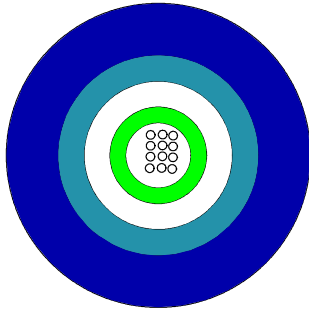


E07a: UC^{FIBRE} Universal Central Tube Cable

1000 N, armoured, central tube cable, up to 24 fibres, glass yarns, steel armouring and FireBur[®] sheath.

DIN/VDE: U-D(ZN)(SR)H



Optional Black Sheath



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

LSHF (LSOH): IEC 60332-1-2, IEC 60754-1, IEC 60754-2, IEC 61034-2, Class E_{ca}

Construction

Loose tube	ø2.8 mm gel-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 70mm
	2	Green	14 Green w/mark every 70mm
	3	Blue	15 Blue w/mark every 70mm
	4	Yellow	16 Yellow w/mark every 70mm
	5	White	17 White w/mark every 70mm
	6	Grey	18 Grey w/mark every 70mm
	7	Brown	19 Brown w/mark every 70mm
	8	Violet	20 Violet w/mark every 70mm
	9	Turquoise	21 Turquoise w/mark every 70mm
	10	Black	22 White w/mark every 35mm
	11	Orange	23 Orange w/mark every 70mm
	12	Pink	24 Pink w/mark every 70mm
Strength member	E-Glass yarns		
Armouring	0.15 mm corrugated steel tape		
Sheath	1.5 mm, Blue (Black optional) FireBur [®] sheath, UV stabilised, EN 50290-2-27		
Sheath marking	Draka UC ^{FIBRE} I/O CT CST LSHF 1.0 kN <Fibre count> <Fibre type><Fibre brand><Item No><Factory Code><Batch Number><Meter mark> U-D(ZN)(SR)H <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>		

E07a: UC^{FIBRE} Universal Central Tube Cable

Physical Properties

IEC 60974-1-21/22

Attribute	Method	Limits
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	2000 N / 100 mm
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	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

E07a: UC^{FIBRE} Universal Central Tube Cable

Product Codes

Product Code	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
60042298	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 OM2B	4	MaxCap-BB-OM2	C34
60047155	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 6 OM2B	6	MaxCap-BB-OM2	C34
60026599	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 OM2B BK	4	MaxCap-BB-OM2	C34
60020527	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 OM2B BK	8	MaxCap-BB-OM2	C34
60024971	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 OM2B BK	12	MaxCap-BB-OM2	C34
60024969	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 OM2B BK	24	MaxCap-BB-OM2	C34
	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 OM3B	4	MaxCap-BB-OM3	C31
60020317	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 6 OM3B	6	MaxCap-BB-OM3	C31
	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 OM3B	8	MaxCap-BB-OM3	C31
	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 OM3B	12	MaxCap-BB-OM3	C31
	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 OM3B	24	MaxCap-BB-OM3	C31
60025024	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 OM3B BK	4	MaxCap-BB-OM3	C31
60020748	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 OM3B BK	8	MaxCap-BB-OM3	C31
60020268	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 OM3B BK	12	MaxCap-BB-OM3	C31
60024972	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 OM3B BK	24	MaxCap-BB-OM3	C31
	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 OM4B	4	MaxCap-BB-OM4	C32
	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 6 OM4B	6	MaxCap-BB-OM4	C32
60030797	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 OM4B	8	MaxCap-BB-OM4	C32
	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 OM4B	12	MaxCap-BB-OM4	C32
	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 OM4B	24	MaxCap-BB-OM4	C32
60047371	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 OM4B BK	4	MaxCap-BB-OM4	C32
60032040	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 OM4B BK	8	MaxCap-BB-OM4	C32
60038327	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 OM4B BK	12	MaxCap-BB-OM4	C32
60038334	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 16 OM4B BK	16	MaxCap-BB-OM4	C32
60038344	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 OM4B BK	24	MaxCap-BB-OM4	C32
	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 OM5B	4	WideCap-OM5	C39
	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 6 OM5B	6	WideCap-OM5	C39
	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 OM5B	8	WideCap-OM5	C39
	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 OM5B	12	WideCap-OM5	C39
	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 OM5B	24	WideCap-OM5	C39
60019682	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 SM2D	4	OS2 G.652.D	C03e
60018755	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 6 SM2D	6	OS2 G.652.D	C03e
60033012	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 SM2D	8	OS2 G.652.D	C03e
60018759	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 SM2D	12	OS2 G.652.D	C03e
60011351	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 SM2D	24	OS2 G.652.D	C03e
60027087	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 4 SM2D BK	4	OS2 G.652.D	C03e
60025893	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 8 SM2D BK	8	OS2 G.652.D	C03e
60020206	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 12 SM2D BK	12	OS2 G.652.D	C03e
60032318	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 16 SM2D BK	16	OS2 G.652.D	C03e
60024973	UC ^{FIBRE} I/O CT CST LSHF 1.0 kN 24 SM2D BK	24	OS2 G.652.D	C03e

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