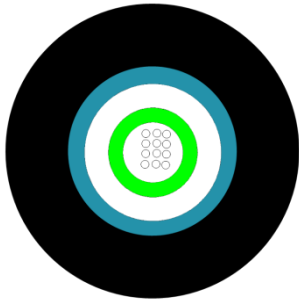


## E07-BK: Universal Central Tube Cable

**1000 N, armoured, central tube cable, up to 24 fibres, glass yarns, steel armouring and FireBur® sheath. Black sheath version of E07a cable. DIN/VDE: U-D(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 2<sup>nd</sup> 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<sub>ca</sub>

### 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 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 per 35 mm
	8	Violet	20 White w/mark per 35 mm
	9	Turquoise	21 Grey w/mark per 35 mm
	10	Black	22 Turquoise w/mark per 35 mm
	11	Orange	23 Orange w/mark per 35 mm
	12	Pink	24 Pink w/mark per 35 mm
Strength member	E-Glass yarns		
Armouring	0.15 mm corrugated steel tape		
Sheath	1.5 mm, black FireBur® sheath, UV stabilised, EN 50290-2-27 (black is optional)		
Sheath marking	Draka I/O CT CST LSHF 1.0 kN BK <Fibre count> <Fibre type><Fibre brand><Item No>05<Batch Number><Meter mark> U-D(ZN)(SR)H <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>		

## E07-BK: Universal Central Tube Cable

### Physical Properties

IEC 60974-1-2

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

## E07-BK: Universal Central Tube Cable

### Product Codes

Product Code	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 4 OM2B BK	4	MaxCap-BB-OM2	C34
	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 6 OM2B BK	6	MaxCap-BB-OM2	C34
60020527	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 8 OM2B BK	8	MaxCap-BB-OM2	C34
60024971	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 12 OM2B BK	12	MaxCap-BB-OM2	C34
60024969	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 24 OM2B BK	24	MaxCap-BB-OM2	C34
60025024	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 4 OM3B BK	4	MaxCap-BB-OM3	C31
	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 6 OM3B BK	6	MaxCap-BB-OM3	C31
60020748	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 8 OM3B BK	8	MaxCap-BB-OM3	C31
60020268	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 12 OM3B BK	12	MaxCap-BB-OM3	C31
60024972	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 24 OM3B BK	24	MaxCap-BB-OM3	C31
60047371	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 4 OM4B BK	4	MaxCap-BB-OM4	C32
	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 6 OM4B BK	6	MaxCap-BB-OM4	C32
60032040	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 8 OM4B BK	8	MaxCap-BB-OM4	C32
60038327	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 12 OM4B BK	12	MaxCap-BB-OM4	C32
60038344	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 24 OM4B BK	24	MaxCap-BB-OM4	C32
	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 4 OM5B BK	4	WideCap-OM5	C39
	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 6 OM5B BK	6	WideCap-OM5	C39
	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 8 OM5B BK	8	WideCap-OM5	C39
	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 12 OM5B BK	12	WideCap-OM5	C39
	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 24 OM5B BK	24	WideCap-OM5	C39
60027087	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 4 SM2D BK	4	OS2 Singlemode	C03e
	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 6 SM2D BK	6	OS2 Singlemode	C03e
60025893	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 8 SM2D BK	8	OS2 Singlemode	C03e
60020206	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 12 SM2D BK	12	OS2 Singlemode	C03e
60024973	UC <sup>FIBRE</sup> I/O CT CST LSHF 1.0 kN 24 SM2D BK	24	OS2 Singlemode	C03e

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