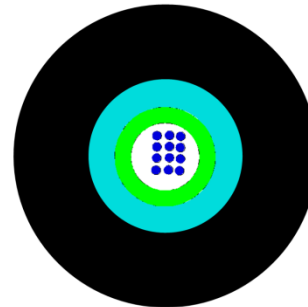
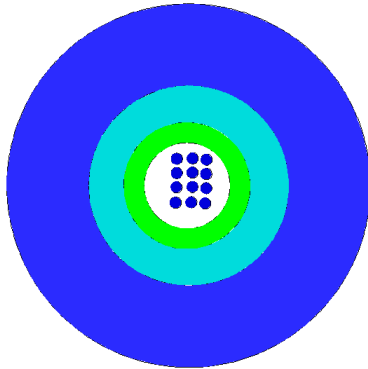


E14a: UC^{FIBRE™} Universal Central Tube Cable

1000N central tube cable with up to 24 fibres, glass elements and FireBur[®] sheath, VDE U-DQ(ZN)BH



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[®] LSHF sheathing this cable is ideal for mixed indoor and outdoor installation. It is equally suited for installation in ducts and on trays. It has a degree of rodent protection.

Standards

ISO 11801-1:2017, EN 50173-1:2011, 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	Water-blocked E-Glass fibre elements		
Sheath	1.0 mm Blue (Black optional) FireBur [®] sheath, UV stabilised, IEC 50290-2-27		
Sheath marking	Draka UC ^{FIBRE} I/O CT LSHF 1.0 kN <Fibre count> <Fibre type><Fibre brand><Item No><Factory code><Batch Number><Meter mark> U-DQ(ZN)BH <Fibre count> <Fibre family> <Mode field diameter> /125 <Transmission Class>		

E14a: UC^{FIBRE}™ Universal Central Tube Cable

Physical Properties

Attribute	IEC 60794-1-21/22 Method	Limits
Nominal outer diameter	-	2 - 16 fibres: 6.0 mm 18 - 24 fibres: 6.5 mm
Nominal weight	-	2 - 16 fibres: 40 kg/km 18 - 24 fibres: 45 kg/km
Maximum installation tensile strength	E1	1000 N (fibre strain less than 1/2 of proof test level)
Short term tensile strength	E1	750 N (fibre strain less than 1/3 of proof test level)
Permanent tensile strength	E1	500 N (no attenuation change, fibre strain less than 1/4 of proof test level)
Compressive strength (crush)	E3	1500 N / 100 mm
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 = 60 mm
Min. bending radius, loaded	-	R = 100 mm
Temperature range	F1	Storage: -40°C to +60°C Installation: -30°C to +40°C Operation: -30°C to +60°C.
Water penetration	F5B	No water on free end
Heat of combustion	-	2-16 fibres: 630 MJ/km = 0.18 kWh/m 24 fibres: 800 MJ/km = 0.22 kWh/m

Product Codes

Product Code	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
60043938	UC ^{FIBRE} I/O CT LSHF 1.0kN 2 OM2B	2	MaxCap-BB-OM2	C34
60018814	UC ^{FIBRE} I/O CT LSHF 1.0kN 4 OM2B	4	MaxCap-BB-OM2	C34
60018815	UC ^{FIBRE} I/O CT LSHF 1.0kN 6 OM2B	6	MaxCap-BB-OM2	C34
60018780	UC ^{FIBRE} I/O CT LSHF 1.0kN 8 OM2B	8	MaxCap-BB-OM2	C34
60011400	UC ^{FIBRE} I/O CT LSHF 1.0kN 12 OM2B	12	MaxCap-BB-OM2	C34
60018816	UC ^{FIBRE} I/O CT LSHF 1.0kN 24 OM2B	24	MaxCap-BB-OM2	C34
60019958	UC ^{FIBRE} I/O CT LSHF 1.0kN 4 OM2B BK	4	MaxCap-BB-OM2	C34
60019959	UC ^{FIBRE} I/O CT LSHF 1.0kN 8 OM2B BK	8	MaxCap-BB-OM2	C34
60029781	UC ^{FIBRE} I/O CT LSHF 1.0kN 12 OM2B BK	12	MaxCap-BB-OM2	C34
60029782	UC ^{FIBRE} I/O CT LSHF 1.0kN 24 OM2B BK	24	MaxCap-BB-OM2	C34
60018863	UC ^{FIBRE} I/O CT LSHF 1.0kN 4 OM3B	4	MaxCap-BB-OM3	C31
60011320	UC ^{FIBRE} I/O CT LSHF 1.0kN 6 OM3B	6	MaxCap-BB-OM3	C31
60018784	UC ^{FIBRE} I/O CT LSHF 1.0kN 8 OM3B	8	MaxCap-BB-OM3	C31
60018785	UC ^{FIBRE} I/O CT LSHF 1.0kN 12 OM3B	12	MaxCap-BB-OM3	C31
60019389	UC ^{FIBRE} I/O CT LSHF 1.0kN 16 OM3B	16	MaxCap-BB-OM3	C31
60018786	UC ^{FIBRE} I/O CT LSHF 1.0kN 24 OM3B	24	MaxCap-BB-OM3	C31
60019960	UC ^{FIBRE} I/O CT LSHF 1.0kN 4 OM3B BK	4	MaxCap-BB-OM3	C31
60019961	UC ^{FIBRE} I/O CT LSHF 1.0kN 8 OM3B BK	8	MaxCap-BB-OM3	C31
60019962	UC ^{FIBRE} I/O CT LSHF 1.0kN 12 OM3B BK	12	MaxCap-BB-OM3	C31
60019963	UC ^{FIBRE} I/O CT LSHF 1.0kN 24 OM3B BK	24	MaxCap-BB-OM3	C31
60019938	UC ^{FIBRE} I/O CT LSHF 1.0kN 4 OM4B	4	MaxCap-BB-OM4	C32
60020010	UC ^{FIBRE} I/O CT LSHF 1.0kN 6 OM4B	6	MaxCap-BB-OM4	C32
60020747	UC ^{FIBRE} I/O CT LSHF 1.0kN 8 OM4B	8	MaxCap-BB-OM4	C32

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60019481	UC ^{FIBRE} I/O CT LSHF 1.0kN 12 OM4B	12	MaxCap-BB-OM4	C32
60019482	UC ^{FIBRE} I/O CT LSHF 1.0kN 24 OM4B	24	MaxCap-BB-OM4	C32
60032535	UC ^{FIBRE} I/O CT LSHF 1.0kN 4 OM4B BK	4	MaxCap-BB-OM4	C32
60020747	UC ^{FIBRE} I/O CT LSHF 1.0kN 8 OM4B BK	8	MaxCap-BB-OM4	C32
60029958	UC ^{FIBRE} I/O CT LSHF 1.0kN 12 OM4B BK	12	MaxCap-BB-OM4	C32
60032388	UC ^{FIBRE} I/O CT LSHF 1.0kN 16 OM4B BK	16	MaxCap-BB-OM4	C32
60029959	UC ^{FIBRE} I/O CT LSHF 1.0kN 24 OM4B BK	24	MaxCap-BB-OM4	C32
	UC ^{FIBRE} I/O CT LSHF 1.0kN 4 OM5B	4	WideCap-OM5	C39
	UC ^{FIBRE} I/O CT LSHF 1.0kN 8 OM5B	8	WideCap-OM5	C39
	UC ^{FIBRE} I/O CT LSHF 1.0kN 12 OM5B	12	WideCap-OM5	C39
	UC ^{FIBRE} I/O CT LSHF 1.0kN 16 OM5B	16	WideCap-OM5	C39
	UC ^{FIBRE} I/O CT LSHF 1.0kN 24 OM5B	24	WideCap-OM5	C39
60019305	UC ^{FIBRE} I/O CT LSHF 1.0kN 2 SM2D	2	OS2 G652.D	C03e
60011327	UC ^{FIBRE} I/O CT LSHF 1.0kN 4 SM2D	4	OS2 G652.D	C03e
60011330	UC ^{FIBRE} I/O CT LSHF 1.0kN 6 SM2D	6	OS2 G652.D	C03e
60011304	UC ^{FIBRE} I/O CT LSHF 1.0kN 8 SM2D	8	OS2 G652.D	C03e
60024865	UC ^{FIBRE} I/O CT LSHF 1.0kN 12 SM2D	12	OS2 G652.D	C03e
60011335	UC ^{FIBRE} I/O CT LSHF 1.0kN 16 SM2D	16	OS2 G652.D	C03e
60011336	UC ^{FIBRE} I/O CT LSHF 1.0kN 24 SM2D	24	OS2 G652.D	C03e
6005808	UC ^{FIBRE} I/O CT LSHF 1.0kN 2 SM2D BK	2	OS2 G652.D	C03e
60027528	UC ^{FIBRE} I/O CT LSHF 1.0kN 4 SM2D BK	4	OS2 G652.D	C03e
60026545	UC ^{FIBRE} I/O CT LSHF 1.0kN 8 SM2D BK	8	OS2 G652.D	C03e
60011334	UC ^{FIBRE} I/O CT LSHF 1.0kN 12 SM2D BK	12	OS2 G652.D	C03e
60028301	UC ^{FIBRE} I/O CT LSHF 1.0kN 16 SM2D BK	16	OS2 G652.D	C03e
60029590	UC ^{FIBRE} I/O CT LSHF 1.0kN 24 SM2D BK	24	OS2 G652.D	C03e
60033658	UC ^{FIBRE} I/O CT LSHF 1.0 kN 4 SM7A1	4	BendBright G.657.A1	C17
60033659	UC ^{FIBRE} I/O CT LSHF 1.0 kN 8 SM7A1	8	BendBright G.657.A1	C17
60037350	UC ^{FIBRE} I/O CT LSHF 1.0 kN 12 SM7A1	12	BendBright G.657.A1	C17
60037920	UC ^{FIBRE} I/O CT LSHF 1.0 kN 24 SM7A1	24	BendBright G.657.A1	C17
60019522	UC ^{FIBRE} I/O CT LSHF 1.0kN 4 SM7B	4	BendBright ^{XS} G.657.A2	C24
60020265	UC ^{FIBRE} I/O CT LSHF 1.0kN 6 SM7B	6	BendBright ^{XS} G.657.A2	C24
	UC ^{FIBRE} I/O CT LSHF 1.0kN 12 SM7B	12	BendBright ^{XS} G.657.A2	C24
60020264	UC ^{FIBRE} I/O CT LSHF 1.0kN 24 SM7B	24	BendBright ^{XS} G.657.A2	C24
60020751	UC ^{FIBRE} I/O CT LSHF 1.0kN 16 SM2D/OM3B	16	Hybrid 8 OS2 single mode + 8 MaxCap-BB-OM3	C03 C31
60025483	UC ^{FIBRE} I/O CT LSHF 1.0kN 24 SM2D/OM3B	24	Hybrid 12 OS2 single mode + 12 MaxCap-BB-OM3	C03 C31

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