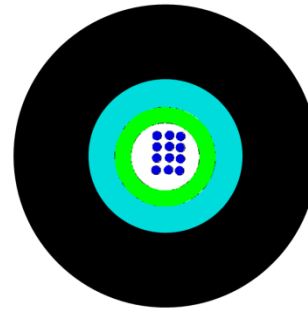
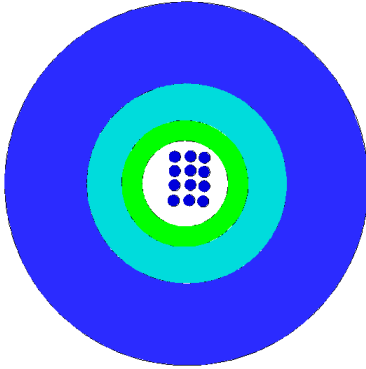


E14a: UC^{FIBRE™} Universal Central Tube Cable

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



Optional Black Sheath

Eca
CPR

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 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	Yellow w/mark every 70 mm
	2	Green	14	White w/mark every 70 mm
	3	Blue	15	Grey w/mark every 70 mm
	4	Yellow	16	Turquoise w/mark every 70 mm
	5	White	17	Orange w/mark every 70 mm
	6	Grey	18	Pink w/mark every 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	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>			

Physical Properties

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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/km

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
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

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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 12 OM5B	12	WideCap-OM5	C39
	UC ^{FIBRE} I/O CT LSHF 1.0kN 24 OM5B	24	WideCap-OM5	C39
60018735	UC ^{FIBRE} I/O CT LSHF 1.0kN 4 MM61	4	OM1 62.5/125	C02
60018805	UC ^{FIBRE} I/O CT LSHF 1.0kN 6 MM61	6	OM1 62.5/125	C02
60018738	UC ^{FIBRE} I/O CT LSHF 1.0kN 8 MM61	8	OM1 62.5/125	C02
60018841	UC ^{FIBRE} I/O CT LSHF 1.0kN 12 MM61	12	OM1 62.5/125	C02
60019290	UC ^{FIBRE} I/O CT LSHF 1.0kN 16 MM61	16	OM1 62.5/125	C02
60011325	UC ^{FIBRE} I/O CT LSHF 1.0kN 24 MM61	24	OM1 62.5/125	C02
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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