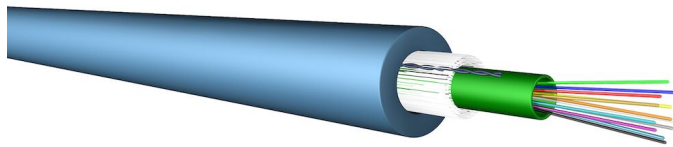


## E14A: UC<sup>FIBRE</sup> I/O CT LSHF E<sub>ca</sub> 2.0KN

2000N, CT up to 24 fibres, glass yarns, FireBur® sheath



### GENERAL INFO

2000N central tube cable with up to 24 fibres, glass elements and FireBur® sheath, VDE U-DQ(ZN)BH

### CABLE FEATURES

- FO cable with central loose tube filled with gel for structured cabling.
- The cable is metal-free, longitudinally water blocked, rodent-proof with a tensile strength of 2.0kN.
- The jacket is made of halogen-free, flame-retardant material according to IEC60332-1; IEC60754-1/2; IEC61034 and Euro fire class Eca.
- Use outdoors, both in direct burial (in sand bed) and in ducts, and as a flame-retardant cable indoors.
- The fiber optic cable exceeds the requirements of EN50173-1, ISO/IEC11801 and EN/IEC60794-6.

More information on fiber optic cable applications: [read more](#)

Latest version of this data sheet is available for download: [ProductFamily239076\\_en.pdf](#)

### CERTIFICATIONS AND DESIGN STANDARDS



ISO/IEC 11801  
EN 50173  
IEC 60794-1-1  
IEC 60794-1-21  
IEC 60794-1-22  
Classe Eca

Generic telecom cabling for customer premises  
Information technology - Generic cabling systems  
Generic Specification Fibre Optic Cables  
Mechanical Test Methods  
Environmental Test Procedures

### APPLICATION PROPERTIES

Resistant to UV	UV stabilised	
With rodent protection	Yes	
Permitted cable outer temperature after assembling without vibration (min) [°C]*	-30	(max) [°C] 60
Permitted cable outer temperature during assembling/handling (min) [°C]*	-30	(max) [°C] 40
Outdoor installation	Yes	
Bending radius (rule)	During installation (loaded) = 20xOD, Permanent (unloaded) = 10xOD	

\*Temperature range recommended for cable installation and operation tested according to the IEC 60794-1-22 F1.

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## CABLE CONSTRUCTION

Longitudinal water blocking cable	Yes
Radial water blocking cable	Yes
Material outer sheath	Low smoke zero halogen
Type of tube	Central tube
Cable shape	Round
With rodent protection	Yes

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## IDENTIFICATION

Fiber color 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 Rose	24 Rose w/mark every 70mm	
	Colour outer sheath	Blue	

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## MECHANICAL PROPERTIES

Nominal outer diameter		5.8 mm
Cable weight		33.6 kg/km
Fire load		864 MJ/km
Crush test	IEC 60794-1-21 E3	2,000 N/10cm
Max. tensile strength during installation	IEC 60794-1-21 E1	2,000 N
Permanent tensile strength	IEC 60794-1-21 E1	750 N
Kink test	IEC 60794-1-21 E10	The cables do not form a kink when a loop is drawn together to a diameter 12 times the cable nominal diameter.

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## FIRE PROPERTIES

Flame retardant	In accordance with EN/IEC 60332-1-2
Halogen free	acc. IEC/EN 60754-1/2
Low smoke	acc. IEC/EN 61034-2
Reaction-to-fire class (acc. EN 13501-6)	Eca

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## CABLE DETAILS

Product name	Number of fibres	Category (fibre)	Fibre datasheet	DOP number	SAP code
UCFIBRE I/O CT LSHF 2.0 KN 2 SM7A1 BL	2	OS2	C17	1007862	60019305
UCFIBRE I/O CT LSHF 2.0 KN 4 SM7A1 BL	4	OS2	C17	1004732	60011327
UCFIBRE I/O CT LSHF 2.0 KN 4 SM7B BL	4	OS2	C17	1004769	60019522
UCFIBRE I/O CT LSHF 2.0 KN 6 SM7A1 BL	6	OS2	C17	1002394	60011330
UCFIBRE I/O CT LSHF 2.0 KN 8 SM7A1 BL	8	OS2	C17	1002390	60011304
UCFIBRE I/O CT LSHF 2.0 KN 8 SM7A1	8	OS2	C17	1002429	60033659
UCFIBRE I/O CT LSHF 2.0 KN 12 SM7A1 BL	12	OS2	C17	1004785	60024865
UCFIBRE I/O CT LSHF 2.0 KN 12 SM7A1 BK	12	OS2	C17	1006912	60066411
UCFIBRE I/O CT LSHF 2.0KN 12 SM7B BL	12	OS2	C17	1004830	60060409
UCFIBRE I/O CT LSHF 2.0 KN 12 SM7A1	12	OS2	C17	1004796	60037350
UCFIBRE I/O CT LSHF 2.0 KN 16 SM7A1	16	OS2	C17	1002398	60011335
UCFIBRE I/O CT LSHF 2.0 KN 24 SM7A1 BL	24	OS2	C17	1008340	60073062
UCFIBRE I/O CT LSHF 2.0 KN 8SM7A1 8OM3B	16	OS2+OM3	C17	1006562	60020751
UCFIBRE I/O CT LSHF 2.0 KN 8SM7A1 8OM4B BL	16	OS2+OM4	C17	1008811	60076923
UCFIBRE I/O CT LSHF 2.0 KN 4 OM2B BL	4	OM2	C17	1002406	60018814
UCFIBRE I/O CT LSHF 2.0 KN 6 OM2B BL	6	OM2	C17	1002407	60018815
UCFIBRE I/O CT LSHF 2.0 KN 8 OM2B BL	8	OM2	C17	1002401	60018780
UCFIBRE I/O CT LSHF 2.0 KN 12 OM2B BL	12	OM2	C17	1002397	60011400
UCFIBRE I/O CT LSHF 2.0 KN 24 OM2B BL	24	OM2	C17	1008123	60073246
UCFIBRE I/O CT LSHF 2.0 KN 4 OM3B BL	4	OM3	C17	1002410	60018863
UCFIBRE I/O CT LSHF 2.0 KN 6 OM3B BK	6	OM3	C17	1009910	60081378
UCFIBRE I/O CT LSHF 2.0 KN 6 OM3B BL	6	OM3	C17	1002391	60011320
UCFIBRE I/O CT LSHF 2.0 KN 8 OM3B BL	8	OM3	C17	1002402	60018784
UCFIBRE I/O CT LSHF 2.0 KN 12 OM3B	12	OM3	C17	1002403	60018785
UCFIBRE I/O CT LSHF 2.0 KN 24 OM3B BL	24	OM3	C17	1008125	60073248
UCFIBRE I/O CT LSHF 2.0 KN 4 OM4B BL	4	OM4	C17	1002414	60019938
UCFIBRE I/O CT LSHF 2.0 KN 6 OM4B BL	6	OM4	C17	1002420	60020010
UCFIBRE I/O CT LSHF 2.0 KN 8 OM4B BL	8	OM4	C17	1008851	60076862
UCFIBRE I/O CT LSHF 2.0 KN 12 OM4B	12	OM4	C17	1002411	60019481
UCFIBRE I/O CT LSHF 2.0 KN 24 OM4B BL	24	OM4	C17	1008122	60073244
UCFIBRE I/O CT LSHF 2.0 KN 4 MM61 BL	4	OM1	C17	1002399	60018735
UCFIBRE I/O CT LSHF 2.0 KN 8 MM61 BL	8	OM1	C17	1002400	60018738
UCFIBRE I/O CT LSHF 2.0 KN 12 MM61 BK	12	OM1	C17	1002436	60044942
UCFIBRE I/O CT LSHF 2.0 KN 12 MM61 BL	12	OM1	C17	1004740	60018841
UCFIBRE I/O CT LSHF 2.0 KN 24 MM61	24	OM1	C17	1008124	60073247

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