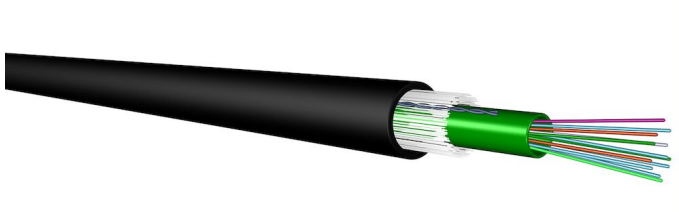


E08A: UC^{FIBRE} O CT PE 3.0KN

3000N, CT up to 24 fibres, glass yarns, LLDPE sheath. VDE:A-DQ(ZN)B2Y



GENERAL INFO

3000N central tube cable with up to 24 fibres, dielectric glass yarn armouring and LLDPE sheath.

CABLE FEATURES

- FO cable with central loose tube filled with gel for structured cabling.
- The cable is UV-resistant, metal-free, longitudinally water blocked and rodent-proof with a tensile strength of 3.0kN.
- The sheath is made of PE material, for outdoor use and direct burial.
- The fiber optic cable exceeds the requirements of EN50173-1, ISO/IEC11801 and EN/IEC60794-3.

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

Latest version of this data sheet is available for download: [ProductFamily239010_en.pdf](#)

CERTIFICATIONS AND DESIGN STANDARDS

ISO/IEC 11801

EN 50173

IEC 60794-1-1

IEC 60794-1-21

IEC 60794-1-22

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	Good
With rodent protection	Yes
Permitted cable outer temperature after assembling without vibration (min) [°C]*	-20 (max) [°C] 70
Permitted cable outer temperature during assembling/handling (min) [°C]*	-10 (max) [°C] 60
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.

CABLE CONSTRUCTION

Longitudinal water blocking cable	Yes
Radial water blocking cable	Yes
Material outer sheath	Thermoplastic polymer
Type of tube	Central tube
Cable shape	Round
With rodent protection	Yes

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	Black	

MECHANICAL PROPERTIES

Nominal outer diameter		6.7 mm
Cable weight		39.5 kg/km
Fire load		MJ/km
Crush test	IEC 60794-1-21 E3	3,000 N/10cm
Max. tensile strength during installation	IEC 60794-1-21 E1	3,000 N
Permanent tensile strength	IEC 60794-1-21 E1	1,000 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.

CABLE DETAILS

Product name	Number of fibres	Category (fibre)	Fibre datasheet	SAP code
UCFIBRE O CT PE 3.0 KN 2 SM2D BK	2	OS2	C24	60018939
UCFIBRE O CT PE 3.0 KN 4 SM2D BK	4	OS2	C24	60018842
UCFIBRE O CT PE 3.0 KN 6 SM2D BK	6	OS2	C24	60018762
UCFIBRE O CT PE 3.0 KN 8 SM2D BK	8	OS2	C24	60018764
UCFIBRE O CT PE 3.0 KN 12 SM7B BK	12	OS2	C24	60077296
UCFIBRE O CT PE 3.0 KN 12 SM2D BK	12	OS2	C24	60018767
UCFIBRE O CT PE 3.0 KN 16 SM2D BK	16	OS2	C24	60018843
UCFIBRE O CT PE 3.0 KN 24 SM2D BK	24	OS2	C24	60073046
UCFIBRE O CT PE 3.0 KN 4 OM2B BK	4	OM2	C34	60011397
UCFIBRE O CT PE 3.0 KN 6 OM2B BK	6	OM2	C34	60020278
UCFIBRE O CT PE 3.0 KN 8 OM2B BK	8	OM2	C34	60011378
UCFIBRE O CT PE 3.0 KN 12 OM2B BK	12	OM2	C34	60011380
UCFIBRE O CT PE 3.0 KN 24 OM2B BK	24	OM2	C34	60073047
UCFIBRE O CT PE 3.0 KN 4 OM3B BK	4	OM3	C31	60020056
UCFIBRE O CT PE 3.0 KN 6 OM3B BK	6	OM3	C31	60029638
UCFIBRE O CT PE 3.0 KN 8 OM3B BK	8	OM3	C31	60047007
UCFIBRE O CT PE 3.0 KN 12 OM3B BK	12	OM3	C31	60019415
UCFIBRE O CT PE 3.0 KN 24 OM3B BK	24	OM3	C31	60073048
UCFIBRE O CT PE 3.0 KN 2 OM4B BK	2	OM4	C32	60055021
UCFIBRE O CT PE 3.0 KN 4 OM4B BK	4	OM4	C32	60020219
UCFIBRE O CT PE 3.0 KN 6 OM4B BK	6	OM4	C32	60048445
UCFIBRE O CT PE 3.0 KN 8 OM4B BK	8	OM4	C32	60019382
UCFIBRE O CT PE 3.0 KN 12 OM4B BK	12	OM4	C32	60047946
UCFIBRE O CT PE 3.0KN 24 OM4B BK	24	OM4	C32	60073125
UCFIBRE O CT PE 3.0 KN 4 MM61 BK	4	OM1	C02	60011341
UCFIBRE O CT PE 3.0 KN 6 MM61 BK	6	OM1	C02	60018761
UCFIBRE O CT PE 3.0 KN 8 MM61 BK	8	OM1	C02	60018819
UCFIBRE O CT PE 3.0 KN 12 MM61 BK	12	OM1	C02	60018766

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