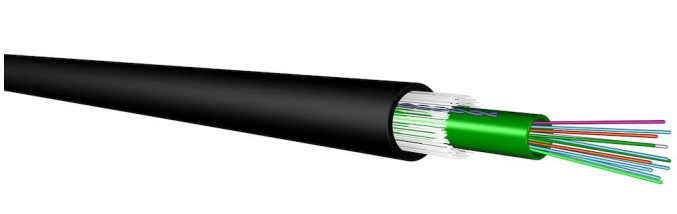


E08a: UC^{FIBRE} O CT PE 3.0KN

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



GENERAL INFO

Fibre optic cable with central loose tube filled with gel and up to 24 fibres for outdoor applications and direct burial installations. Dielectric armoured design with glass yarns, longitudinally water blocked, rodent-proof and LDPE sheath. 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. DIN/VDE: A-DQ(ZN)B2Y

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

Latest version of this data sheet is available for download: [ProductFamily239010](#)

CERTIFICATIONS AND DESIGN STANDARDS

ISO/IEC 11801

EN 50173

IEC 60794-1-1

IEC 60794-1-21

IEC 60794-1-22

IEC 60794-3-10

Generic telecom cabling for customer premises
Information technology - Generic cabling systems
Generic Specification Fibre Optic Cables
Mechanical Test Methods
Environmental Test Procedures
Outdoor cables Duct, directly buried or lashed aerial optical telecommunication cables

APPLICATION PROPERTIES

Resistant to UV	Good
Outdoor installation With rodent protection	Yes
Operation temperature (min) [°C]*	-30 and (max) [°C] 70
Installation temperature (min) [°C]	-15 and (max) [°C] 60
Storage temperature (min) [°C]	-30 and (max) [°C] 60
Bending radius (rule)	During installation (loaded) = 20xOD, Permanent (unloaded) = 10xOD

*Temperature range recommended for cable installation, operation and storage tested according to the IEC 60794-1-22 Fl.

CABLE CONSTRUCTION

Type of tube	Gel-filled loose tube Ø2.8mm for 2fo up to 24fo
Longitudinal water blocking construction	Yes
Rip cord	Yes
Armouring/reinforcement	E-glass yarns
Material outer sheath	Thermoplastic polymer,
Cable marking example	Draka UCFIBRE O CT PE 3.0 kN 'Fibre count' 'Fibre type'"Fibre brand'"Item No'"factory code'"Batch Number'"Meter mark' A-DQ(ZN)B2Y 'Fibre ount' 'Fibre family' 'Mode field diameter' /125 'Transmission Class'

IDENTIFICATION

Fibre colour code	1 Red	13 Red w/mark every 70mm
<i>in accordance with IEC 60794-2 and VDE 0888 read more</i>	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
Colour outer sheath	Black, RAL 9005	

MECHANICAL PROPERTIES

Nominal outer diameter		7 mm
Cable weight		48 kg/km
Crush test	IEC 60794-1-21 E3	2,000 N/10cm
Torsion test *	IEC 60794-1-21 E7	5 cycles \pm 1turn
Impact test	IEC 60794-1-21 E4	20 N·m
Max. tensile strength during installation	IEC 60794-1-21 E1	3,000 N
Permanent tensile strength		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 20 times the cable nominal diameter.
Water penetration	IEC 60794-1-22 F5B	No water on free end

CABLE DETAILS

Product name	Number of fibres	Category (fibre)	Fibre datasheet	SAP code
UCFIBRE O CT PE 3.0kN 2 SM7A1 BK	2	G.657A1	C17	60018939
UCFIBRE O CT PE 3.0kN 4 SM7A1 BK	4	G.657A1	C17	60018842
UCFIBRE O CT PE 3.0kN 6 SM7A1 BK	6	G.657A1	C17	60018762
UCFIBRE O CT PE 3.0kN 8 SM7A1 BK	8	G.657A1	C17	60018764
UCFIBRE O CT PE 3.0kN 12 SM7A1 BK	12	G.657A1	C17	60018767
UCFIBRE O CT PE 3.0kN 16 SM7A1 BK	16	G.657A1	C17	60018843
UCFIBRE O CT PE 3.0kN 24 SM7A1 BK	24	G.657A1	C17	60073046
UCFIBRE O CT PE 3.0kN 12 SM7B BK	12	G.657A2	C24	60077296
UCFIBRE O CT PE 3.0kN 4 OM2B BK	4	OM2	C34	60011397
UCFIBRE O CT PE 3.0kN 6 OM2B BK	6	OM2	C34	60020278
UCFIBRE O CT PE 3.0kN 8 OM2B BK	8	OM2	C34	60011378
UCFIBRE O CT PE 3.0kN 12 OM2B BK	12	OM2	C34	60011380
UCFIBRE O CT PE 3.0kN 24 OM2B BK	24	OM2	C34	60073047
UCFIBRE O CT PE 3.0kN 2 OM3B BK	2	OM3	C31	60112071
UCFIBRE O CT PE 3.0kN 4 OM3B BK	4	OM3	C31	60020056

CABLE DETAILS

Product name	Number of fibres	Category (fibre)	Fibre datasheet	SAP code
UCFIBRE O CT PE 3.0kN 6 OM3B BK	6	OM3	C31	60029638
UCFIBRE O CT PE 3.0kN 8 OM3B BK	8	OM3	C31	60047007
UCFIBRE O CT PE 3.0kN 12 OM3B BK	12	OM3	C31	60019415
UCFIBRE O CT PE 3.0kN 24 OM3B BK	24	OM3	C31	60073048
UCFIBRE O CT PE 3.0kN 2 OM4B BK	2	OM4	C32	60055021
UCFIBRE O CT PE 3.0kN 4 OM4B BK	4	OM4	C32	60020219
UCFIBRE O CT PE 3.0kN 6 OM4B BK	6	OM4	C32	60048445
UCFIBRE O CT PE 3.0kN 8 OM4B BK	8	OM4	C32	60019382
UCFIBRE O CT PE 3.0kN 12 OM4B BK	12	OM4	C32	60047946
UCFIBRE O CT PE 3.0kN 24 OM4B BK	24	OM4	C32	60073125
UCFIBRE O CT PE 3.0kN 8 OM5B BK	8	OM5	C39	60104930
UCFIBRE O CT PE 3.0kN 4 MM61 BK	4	OM1	C02	60011341
UCFIBRE O CT PE 3.0kN 6 MM61 BK	6	OM1	C02	60018761
UCFIBRE O CT PE 3.0kN 8 MM61 BK	8	OM1	C02	60018819
UCFIBRE O CT PE 3.0kN 12 MM61 BK	12	OM1	C02	60018766

CABLE DETAILS

Product name	Number of fibres	Category (fibre)	Fibre datasheet	SAP code
UCFIBRE O CT PE 3.0kN 24 MM61 BK	24	OM1	C02	60073106

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