

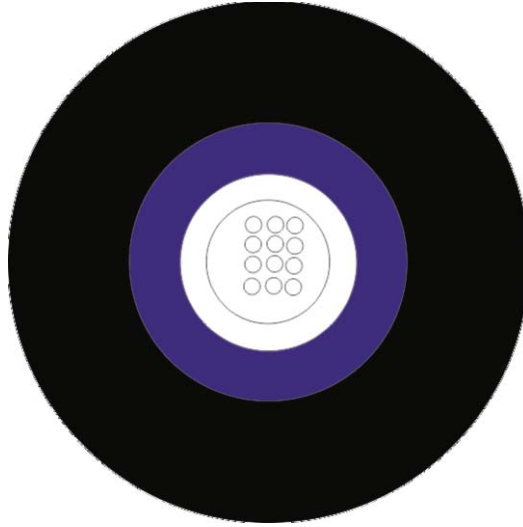
Product Information

UC^{FIBRE} O CT D DA PE 1.5 kN

Central tube, LLDPE sheath

DIN/VDE A-DQ (ZN) B2Y NO QXAE-O/DT-JS/W FR DK GARPE5

PI_10230XYZ_01.15



Application

Equivalent of Z-XOTKcdD. Intended for transmission of optical signal in the first, second, third and fourth transmission window. Used for transmission of data, sound and vision via WANs and LANs and for access connections. Cables with single-mode or multimode fibres, reinforced in the central tube with glass fibre, rodent resistant, fully dielectric; PE outer sheath, resistant to mechanical damage and UV radiation. Suitable to be laid in primary and secondary telecom ducts or for direct burial. Mechanical or pneumatic installation.

Standards

EN 187 000
IEC 60794-3, PN EN 60794-3; 2002 (U)
PN EN 60793-1-1; 2003 (U)
IEC 60794-3-10
IEC 60794-3-12
ISO 11801 2-nd Edition
PN EN 50173-1
PN EN 41003; 2001
ITU-T G.652D

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Construction

Loose tube	Central tube, jelly filled; \varnothing 2.8 mm with 2 –16 fibres, \varnothing 3.5 mm with 24 fibres	
Colour sequence	1 Red	13 Yellow + marking every 70 mm
	2 Green	14 White + marking every 70 mm
	3 Blue	15 Grey + marking every 70 mm
	4 Yellow	16 Turquoise + marking every 70 mm
	5 White	17 Orange + marking every 70 mm
	6 Grey	18 Pink + marking every 70 mm
	7 Brown	19 Yellow + marking every 35 mm
	8 Violet	20 White + marking every 35 mm
	9 Turquoise	21 Grey + marking every 35 mm
	10 Black	22 Turquoise + marking every 35 mm
	11 Orange	23 Orange + marking every 35 mm
	12 Pink	24 Pink + marking every 35 mm
Reinforcement	Reinforced with glass fibre	
Sheath	1.2 mm, black LLDPE, IEC 60811, IEC 60708	

Structure

Loose tube	\varnothing 2.8 for 2-16 fibres, \varnothing 3.5 mm for 24 fibres, filled with hydrophobic gel with 2 - ca. 16/24 fibres
Strength member	Hydrophobic glass fibre insulation
Outer sheath	1.2 mm, black LLDPE, IEC 60811, IEC 60708

Fire resistance

Zero fire resistance

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Physical properties

IEC 60794-1

Property	Testing methodology	Value
Outer diameter		2-16 fibres: 6.5 mm 24 fibres: 7.0 mm
Weight		2-16 fibres: 40 kg/km 24 fibres: 45 kg/km
Maximum tensile strength	E1	1500 N (less than 1/2 of fibre strength)
Tensile strength (dynamic)	E1	1000 N (less than 1/3 of fibre strength)
Tensile strength (static)	E1	750 N (no attenuation; less than 1/4 of fibre strength)
Breaking force	E3	2000N/dm
Impact	E7	20 Nm (no attenuation; no broken cable elements)
Torsion	E7	5 cycles ± 1 turn
Kink	E10	Cables do not form a kink when a loop's diameter is more than 200 mm
Minimum bending radius (dynamic)	E11	R=60 mm
Minimum bending radius (static)		R=100 mm
Temperature range	F1	Storage: from -40°C to +60°C (short term up to 70°C) Installation: from -15°C to +40°C Operation: from -30°C to +60°C
Water penetration	F5B	Resistant to longitudinal water penetration

Transmission characteristics

IEC 60793-2

Refer to fibre data sheets

Type designation cross reference

DIN/VDE	A-DQ (ZN) B 2Y n, (n-number of fibres)
DMC	UC2000 CT-A PE
Draka Denmark	Utnnnmm-37-xxx, (nnn - number of fibres, mm - type of fibre)

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Ordering information

Index	Number of fibres	Description on cable	Fibre type	Fibre specification number
10230302	4	UCFIBRE O CT D DA PE 1.5kN	MM51 OM2 50/125 multimode 500/500	C23
10230303	6	UCFIBRE O CT D DA PE 1.5kN	Mm51 OM2 50/125 multimode 500/500	C23
10230304	8	UCFIBRE O CT D DA PE 1.5kN	Mm51 OM2 50/125 multimode 500/500	C23
10230306	12	UCFIBRE O CT D DA PE 1.5kN	Mm51 OM2 50/125 multimode 500/500	C23
10230307	16	UCFIBRE O CT D DA PE 1.5kN	Mm51 OM2 50/125 multimode 500/500	C23
10230308	24	UCFIBRE O CT D DA PE 1.5kN	Mm51 OM2 50/125 multimode 500/500	C23
10230402	4	UCFIBRE O CT D DA PE 1.5kN	Om3 Max-Cap-BB 50/125 multimode	C31
10230403	6	UCFIBRE O CT D DA PE 1.5kN	Om3 Max-Cap-BB 50/125 multimode	C31
10230404	8	UCFIBRE O CT D DA PE 1.5kN	Om3 Max-Cap-BB 50/125 multimode	C31
10230406	12	UCFIBRE O CT D DA PE 1.5kN	Om3 Max-Cap-BB 50/125 multimode	C31
10230407	16	UCFIBRE O CT D DA PE 1.5kN	Om3 Max-Cap-BB 50/125 multimode	C31
10230408	24	UCFIBRE O CT D DA PE 1.5kN	Om3 Max-Cap-BB 50/125 multimode	C31
10230502	4	UCFIBRE O CT D DA PE 1.5kN	OM4 Max-Cap -BB 50/125 multimode	C32
10230503	6	UCFIBRE O CT D DA PE 1.5kN	OM4 Max-Cap -BB 50/125 multimode	C32
10230504	8	UCFIBRE O CT D DA PE 1.5kN	OM4 Max-Cap -BB 50/125 multimode	C32
10230506	12	UCFIBRE O CT D DA PE 1.5kN	OM4 Max-Cap -BB 50/125 multimode	C32
10230507	16	UCFIBRE O CT D DA PE 1.5kN	OM4 Max-Cap -BB 50/125 multimode	C32
10230508	24	UCFIBRE O CT D DA PE 1.5kN	OM4 Max-Cap -BB 50/125 multimode	C32
10230202	4	UCFIBRE O CT D DA PE 1.5kN	MM61 OM1 62.5/125 multimode	C02
10230203	6	UCFIBRE O CT D DA PE 1.5kN	MM61 OM1 62.5/125 multimode	C02
10230204	8	UCFIBRE O CT D DA PE 1.5kN	MM61 OM1 62.5/125 multimode	C02
10230206	12	UCFIBRE O CT D DA PE 1.5kN	MM61 OM1 62.5/125 multimode	C02
10230207	16	UCFIBRE O CT D DA PE 1.5kN	MM61 OM1 62.5/125 multimode	C02
10230208	24	UCFIBRE O CT D DA PE 1.5kN	MM61 OM1 62.5/125 multimode	C02
10230102	4	UCFIBRE O CT D DA PE 1.5kN	SM2D OS2 singlemode G652.D	C03e
10230103	6	UCFIBRE O CT D DA PE 1.5kN	SM2D OS2 singlemode G652.D	C03e
10230104	8	UCFIBRE O CT D DA PE 1.5kN	SM2D OS2 singlemode G652.D	C03e
10230106	12	UCFIBRE O CT D DA PE 1.5kN	SM2D OS2 singlemode G652.D	C03e
10230107	16	UCFIBRE O CT D DA PE 1.5kN	SM2D OS2 singlemode G652.D	C03e
10230108	24	UCFIBRE O CT D DA PE 1.5kN	SM2D OS2 singlemode G652.D	C03e