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OPTICAL CABLE

A-DQ(ZN-GYSR)2Y xTyE 1,5kN

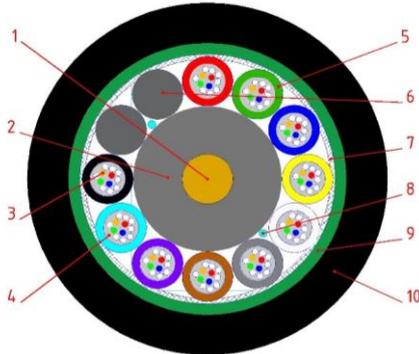
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ID: G15PxM

Cable Design

Purpose

Properties



Direct burying



Cable duct



Outdoor



Rodent protection



UV resistant

1. Central strength member	FRP rod
2. FRP jacketing	Polyethylene (HDPE)
3. Optical fiber	Single-mode Rec. ITU-T G.652.D
4. Filler	Thixotropic filling compound (gel)
5. Loose Tube	Polybutylene terephthalate (PBT)
6. Dummy filler	Polyethylene (HDPE)
7. Peripheral strength member	Water blocking glass yarn
8. Water blocking element	Water blocking yarn
9. Corrugated steel armour	Steel tape
10. Outer jacket	Polyethylene (HDPE), black, UV-resistance

Technical data

G15P6M G15P8M G15P9M G15P8M G15PGM G15PHM G15PEM G15PKM G15PNM G15PRM G15PTM G15PXM

Optical fiber/Manufacturer	Single-mode Rec. ITU-T G.652.D													
Cladding Diameter	(±0,7), μm	125												
Coating Diameter	(±5), μm	242												
Attenuation	(λ= 1310 nm), dB/km	≤ 0,32												
	(λ= 1550 nm), dB/km	≤ 0,22												
Number of optical fibers	8	12	16	24				36	48	72	96	144		
Design	2x4	2x6	3x4	4x4	4x6	6x4	2x12	3x12	4x12	6x12	8x12	12x12		
Number of elements	6											8	12	
Number of fillers	4	3	2	0	4	3	2	0						
Loose Tube diameter	(±0,2), mm	1,5												
Cable diameter	(±0,6), mm	9,2										10,4	12	
Outer sheath thickness	(±0,3), mm	1,5												
Cable weight	(±5%), kg/km	85	86	87	87				89	106	138			
	Installation, kN	1,5											1,8	2,0
Max. Tension	Operational, kN	0,4											0,5	0,6
	Crush resistance, N/10 cm	3000												
Delivery Lengths	(±100), m	2000 / 4000 *												
Temperature range	Operation, °C	-40 ... +60												
	Installation, °C	-10 ... +50												
	Storage, °C	-40 ... +60												
Min. bending radius		20xOD												

* - other lengths available upon agreement

Identification

Optical fibers	1 RD 2 GN 3 BU 4 YE 5 WH 6 GY 7 BN 8 VT 9 TQ 10 BK 11 OG 12 PK
Loose Tubes	1 RD 2 GN 3 BU 4 YE 5 WH 6 GY 7 BN 8 VT 9 TQ 10 BK 11 OG 12 PK
Cable marking	The cable is marked in yellow every 1 meter of length by inkjet printing where: yyyy - year; xx - the number of optical fibers in the cable; ZZZZ - sequential length mark.