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OPTICAL CABLE

A-DQ(ZN-GYSR)2Y xTyE 2,7kN

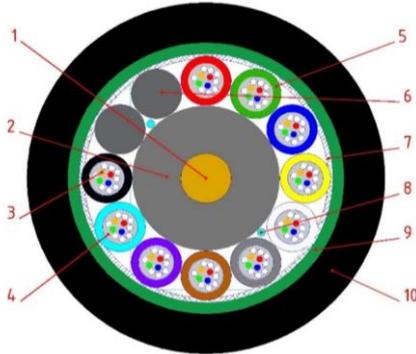
02.09.2025

ID: G27PxN1

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

G27P6N1 G27P8N1 G27P9N1 G27PB1N1 G27PG1N1 G27PH1N1 G27PEN1 G27PK1N1 G27PNN1 G27PR1N1 G27PT1N1 G27PX1N1

Optical fiber/Manufacturer	Одномодове ITU-T G.652D												
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		10,6								10,6	12	
Outer sheath thickness	(±0,3), mm		1,5										
Cable weight	(±5%), kg/km		100	102	100	102	104	105	135				
Max. Tension	Installation, kN		2,7										
	Operational, kN		1,2										
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												
Loose Tubes												
Cable marking	<p>The cable is marked in yellow every 1 meter of length by inkjet printing</p> <p>where: yyyy - year; xx - the number of optical fibers in the cable; ZZZZ - sequential length mark.</p>											