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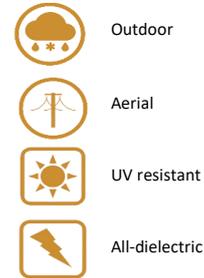
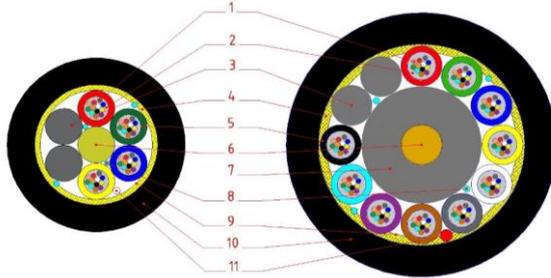
OPTICAL CABLE

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

25.07.2025

ID: U27PxC1

Cable Design



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

Technical data

U27P6C1 U27P9C1 U27PBC1 U27PEC1 U27PKC1 U27PNC1 U27PRC1 U27PTC1 U27PXC1

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	3x4	4x4	2x12	3x12	4x12	6x12	8x12	12x12	
Number of elements	6								8	12
Number of fillers	4	3	2	4	3	2	0			
Loose Tube diameter	(±0,2), mm	2,0								
Cable diameter	(±0,6), mm	9,0						10,4	12,8	
Outer sheath thickness	(±0,2), mm	1,5								
Cable weight	(±5%), kg/km	62	63			64	66	86	128	
Max. Tension	Installation, kN	2,6								
	Operational, kN	1,2						1,5	1,8	
Crush resistance, N/10 cm	2500									
Cable modulus of elasticity, N/mm ²	4689	4844	5008	4689	4844	5008	5367	4136	2871	
Effective cable area, mm ²	54,1	52,6	51,0	54,1	52,6	51,0	48,0	64,0	97,9	
Thermal expansion coefficient, °C ⁻¹	8,77E-06	8,42E-06	8,08E-06	8,77E-06	8,42E-06	8,08E-06	7,40E-06	1,40E-05	2,10E-05	
Delivery Lengths	(±100), m	2000 / 4000 *								
Температура	Operation, °C	-40 ... +70								
	Installation, °C	-10 ... +50								
	Storage, °C	-40 ... +70								
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.

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