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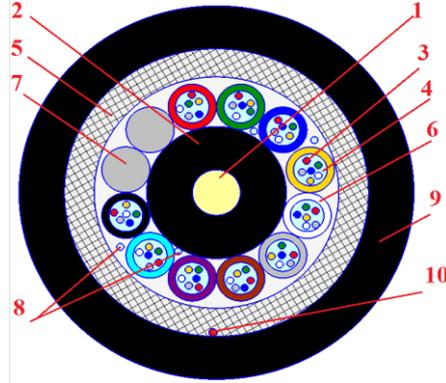
OPTICAL CABLE

A-DQ(ZN-GY)2Y xTyE 2,0kN G.652D

22.07.2025

ID: U20PxJ

Cable Design



- Outdoor
- Aerial
- Cable duct
- UV resistant
- All-dielectric

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. Peripheral strength member	Glass yarn
6. Loose Tube	Polybutylene terephthalate (PBT)
7. Dummy filler	Polyethylene (HDPE)
8. Water blocking element	Water blocking yarn
9. Outer jacket	Polyethylene (HDPE), black, UV-resistance
10. Ripcord	Polyester yarn

Technical data

	U20P9J	U20PHJ	U20PEJ	U20PNJ	U20PRJ	U20PTJ	U20PxJ		
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	12	24		48	72	96	144		
Design	3x4	6x4	2x12	4x12	6x12	8x12	12x12		
Number of elements	6						8	12	
Number of fillers	3	0	4	2	0				
Loose Tube diameter	(±0,2), mm 1,8		2,0						
Cable diameter	(±0,6), mm 8,6		9,2					10,5	13
Outer sheath thickness	(±0,3), mm		1,5						
Cable weight	(±5%), kg/km 59		61	67	68	70	91	133	
Max. Tension	Installation, kN			2,0					
	Operational, kN			1,0		1,2			
Crush resistance, N/10 cm				2500					
Delivery Lengths	(±100), m			2000 / 4000 *					
Temperature range	Operation, °C			-40 ... +70					
	Installation, °C			-10 ... +50					
	Storage, °C			-40 ... +70					
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>

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