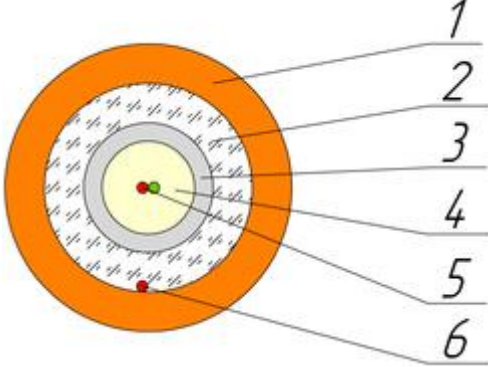


PRELIMINARY TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

1. Cable construction

Cable type	A-DQ(ZN)B2Y-2-250-652D/657A1-6209		
			
Cable construction <ol style="list-style-type: none"> Outer sheath: UV-resistant PE Water-blocking element of core: Water-swellaable glass yarns Optical loose tube: 2,3 mm PBT Tube Intramodule compound: Thixotropic compound Optical Fiber: Single-mode Fiber according to ITU-T G.652.D and G.657.A1 Rip-cord: Synthetic yarn 			
Temperature ranges	Storage and transportation temperature	Installation temperature	Operating temperature
	from -20 to +70 °C	from -10 to +50 °C	from -20 to +60 °C
Resistance to water penetration	Water resistant		
Relative humidity at +35° C, %	98		
Outer diameter, mm	5,1±0,2		
Average weight of 1 km of the cable, kg	21±5%		

2. Mechanical characteristics

Calculated tensile strength, not less than ¹ , kN	
Dynamic	0,8
Minimum bending radius	20D
Short-term crush test, kN/cm (N/10cm)	0,2 (2000)
Resistance to axial torsion at angle ±180° on 2 m length cable	Resistant
Resistance to bends at angle ± 90° with a radius equal to 20 nominal cable diameters	Resistant
Resistance to impact 5 J	Resistant

¹ Tensile strength value is for maximum number of fibers design

3. Packaging and marking

Cable factory length, km	6
Package	Drum №10 (1001x655x1001)
Tolerance, %	±3,0
Short lengths (customer approval)	Maximum 5%
Marking method	Inkjet printing
The accuracy of marking, %	±0,5

4. Coloring

Coloring of fibers in loose tube (According to Customer's requirements color can be different).	
1	2
red	green

5. Product data

Fiber count	2
Loose tubes x fibers	1x2