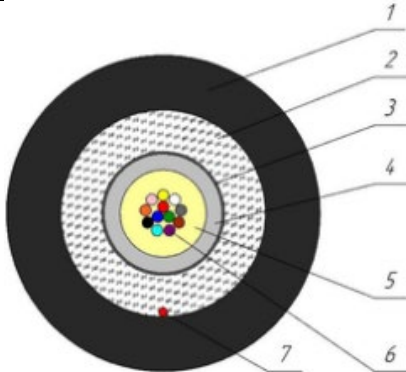


## TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

### 1. Cable construction

Cable type	A-DQ(ZN)B2Y-(2-12)-G.652.D-6212		
<div></div>			
<p>Cable construction</p> <p>1. Outer sheath: UV-resistant PE</p> <p>2. Water-blocking element of core: Water-swellaable glass yarns</p> <p>3. The first layer of the loose tube: PBT</p> <p>4. The second layer of the loose tube: PC</p> <p>Optical loose tube: 2,6 mm PBT\PC Tube</p> <p>5. Intramodule compound: Thixotropic compound</p> <p>6. Optical Fiber: Single-mode Fiber according to ITU-T G.652.D</p> <p>7. Rip-cord: Synthetic yarn</p>			
Temperature ranges	Storage and transportation temperature	Installation temperature	Operating temperature
	from -25 to +70 °C	from -5 to +50 °C	from -25 to +70 °C
Resistance to water penetration	Water resistant		
Relative humidity at +35 <sup>o</sup> C, %	98		
Outer diameter, mm	6,3±0,2		
Average weight of 1 km of the cable, kg	34±5%		

### 2. Mechanical characteristics

Calculated tensile strength, not less than <sup>1</sup> , kN	1,75
Dynamic	
Minimum bending radius	20D
Short-term crush test, kN/cm (N/10cm)	0,3 (3000)
Resistance to axial torsion at angle ±360° on 4 m length cable	Resistant
Resistance to bends at angle ± 90° with a radius equal to 20 nominal cable diameters	Resistant
Resistance to impact 10 J	Resistant

<sup>1</sup> 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	3	4	5	6	7	8	9	10	11	12
red	green	blue	yellow	white	slate	brown	violet	aqua	black	orange	pink

### 5. Product data

Fiber count	2	4	6	8	12
Loose tubes x fibers	1x2	1x4	1x6	1x8	1x12