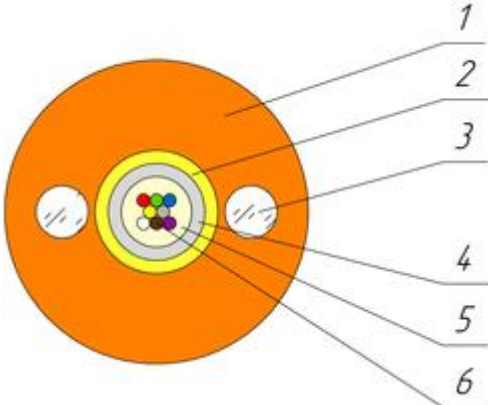


## PRELIMINARY TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

### 1. Cable construction

Cable type	A-D(ZN)B2Y-(8-12)-250-652D-7302		
			
<p>Cable construction</p> <ol style="list-style-type: none"> <li>1. Outer sheath: UV-resistant PE</li> <li>2. Strength element of core: Aramid yarns</li> <li>3. Peripheral strength element: Glass reinforced plastic 1,0 mm FRP-E</li> <li>4. Optical loose tube: 1,85mm PBT Tube</li> <li>5. Intramodule compound: Thixotropic compound</li> <li>6. Optical Fiber: Single-mode Fibre according to ITU-T G.652.D</li> </ol>			
Temperature ranges	Storage and transportation temperature	Installation temperature	Operating temperature
	from -30 to +70 °C	from -20 to +50 °C	from -30 to +70 °C
Resistance to water penetration	Water resistant		
Relative humidity at +35° C, %	98		
Outer diameter, mm	5,8±0,2		
Average weight of 1 km of the cable, kg	28±5%		

### 2. Mechanical characteristics

Calculated tensile strength, not less than <sup>1</sup> , kN	
Static	0,5
Dynamic	1,2
Minimum bending radius	20D
Short-term crush test, kN/cm (N/10cm)	0,3 (3000)
Long-term crush test, kN/cm (N/10cm)	0,1 (1000)
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	8	12
Loose tubes x fibers	1x8	1x12