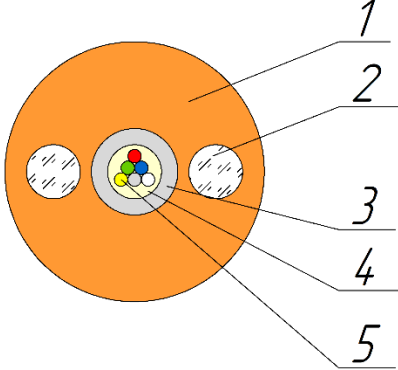


## PRELIMINARY TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

### 1. Cable construction

Cable type	A-D(ZN)2Y-(2-6)-250-652D-1226		
			
<p>Cable construction</p> <ol style="list-style-type: none"> <li>1. Outer sheath: UV-resistant PE</li> <li>2. Peripheral strength element: Glass reinforced plastic 1,0 mm FRP-E</li> <li>3. Optical loose tube: 1,6mm PBT Tube</li> <li>4. Intramodule compound: Thixotropic compound</li> <li>5. 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 -10 to +50 °C	from -20 to +60 °C
Resistance to water penetration	Water resistant		
Relative humidity at +35 <sup>0</sup> C, %	98		
Outer diameter, mm	4,6±0,2		
Average weight of 1 km of the cable, kg	21±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)	0,1 (1000)
Resistance to axial torsion at angle ±360° on 4 m length cable	Resistant
Resistance to bends at angle ± 90 <sup>0</sup> 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	4
Package	Coil OKKO №3 (655x450x655)
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
red	green	blue	yellow	white	slate

### 5. Product data

Fiber count	2	4	6
Loose tubes x fibers	1x2	1x4	1x6