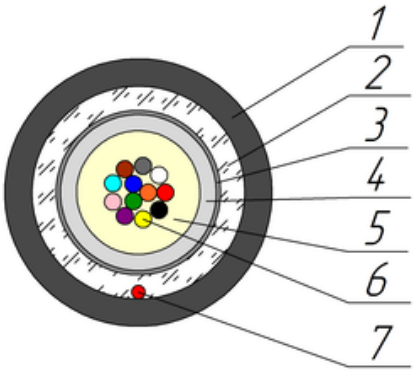
PRELIMINARY TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

1. Cable construction

Cable type	A-DQ(ZN)B2Y-(4-12)-250-652D-6214



Cable construction

1. Outer sheath: UV-resistant PE
2. Water-blocking strength element: Water swellable glass yarn
3. The first layer of the loose tube: PBT
4. The second layer of the loose tube: PC
   Optical loose tube: 2,4 mm PBT/PC Tube
5. Intramodule compound: Thixotropic compound
6. Optical Fiber: Single-mode Fiber according to ITU-T G.652.D
7. Rip-cord: Synthetic yarn

Temperature ranges	Storage and transportation temperature	Installation temperature	Operating temperature
	from -40 to +70 °C	from -10 to +50 °C	from -40 to +70 °C
Resistance to water penetration	Water resistant		
Relative humidity at +35^0 C, %	98		
Outer diameter, mm	3,9±0,2		
Average weight of 1 km of the cable, kg	12±5%		

2. Mechanical characteristics

Calculated tensile strength, not less than[1], kN Dynamic	 0,5
Minimum bending radius	20D
Short-term crush test, kN/cm (N/10cm)	0,16 (1600)
Resistance to axial torsion at angle ±360° on 4 m length cable	Resistant
Resistance to bends at angle ± 90^0 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	4
Package	Coil ОККО №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	7	8	9	10	11	12
red	green	blue	yellow	white	slate	brown	violet	aqua	black	orange	pink

5. Product data

Fiber count	4	6	12
Loose tubes x fibers	1x4	1x6	1x12