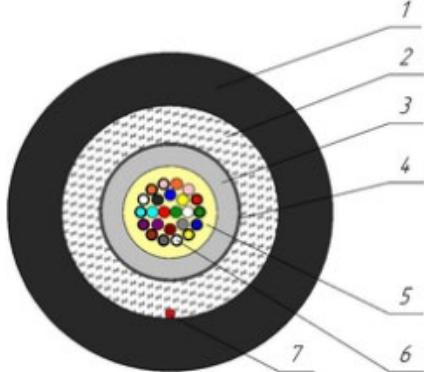


TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

1. Cable construction

Cable type	A-DQ(ZN)B2Y-24-G.652.D/G.657.A1-6213						
							
Cable construction	1. Outer sheath: UV-resistant PE	2. Water-blocking element of core: Water-swellable glass yarns	3. The first layer of the loose tube: PBT	4. The second layer of the loose tube: PC	Optical loose tube: 3,0 mm PBT\PC Tube	5. Intramodule compound: Thixotropic compound	6. Optical Fiber: Single-mode Fibre according to ITU-T G.652.D and G.657.A1
	7. Rip-cord: Synthetic yarn						
Temperature ranges	Storage and transportation temperature from -25 to +70 °C	Installation temperature from -5 to +50 °C	Operating temperature from -25 to +70 °C				
Resistance to water penetration	Water resistant						
Relative humidity at +35° C, %	98						
Outer diameter, mm	6,5±0,2						
Average weight of 1 km of the cable, kg	36±5%						

2. Mechanical characteristics

Calculated tensile strength, not less than ¹ , kN Dynamic	1,75
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

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). M-fiber with black ring mark.											
1	2	3	4	5	6	7	8	9	10	11	12
red	green	blue	yellow	white	slate	brown	violet	aqua	black	orange	pink
13	14	15	16	17	18	19	20	21	22	23	24
red+m	green+m	blue+m	yellow+m	white+m	slate+m	brown+m	violet+m	aqua+m	transparent	orange+m	pink+m

5. Product data

Fiber count	24
Loose tubes x fibers	1x24