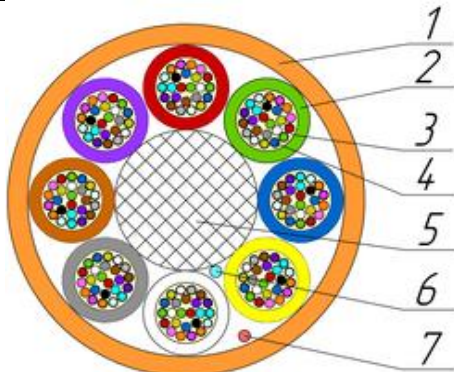


TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

1. Cable construction

Cable type	A-DQ(ZN)4Y-8x24-200-652D/657A1-10136		
<div></div>			
<p>Cable construction</p> <p>1. Outer sheath: PA</p> <p>2. Optical loose tube: 1,55mm PBT Tube</p> <p>3. Intramodule compound: Thixotropic compound</p> <p>4. Optical Fiber: 200 mkm Single-mode Fiber according to ITU-T G.652.D and G.657.A1</p> <p>5. Central strength element: Glass reinforced plastic 2,5mm FRP-E</p> <p>6. Water-blocking element of core: Water-swellaable yarn</p> <p>7. Rip-cord: Water-swellaable yarn</p>			
Temperature ranges	Storage and transportation temperature	Installation temperature	Operating temperature
	from -30 to +70 °C	from -15 to +50 °C	from -30 to +70 °C
Resistance to water penetration	Water resistant		
Relative humidity at +35° C, %	98		
Outer diameter, mm	6,4±0,2		
Average weight of 1 km of the cable, kg	43±5%		

2. Mechanical characteristics

Calculated tensile strength, not less than ¹ , kN	
Dynamic	2
Minimum bending radius	20D
Short-term crush test, kN/cm (N/10cm)	0,03 (300)
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 2 J	Resistant

¹ Tensile strength value is for maximum number of fibers design

3. Packaging and marking

Cable factory length, km	6/12
Package	Drum №10 (1001x655x1001)/ Drum №14 (1401x813x1401)
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

Coloring of optical loose tube (According to Customer's requirements color can be different).							
1	2	3	4	5	6	7	8
red	green	blue	yellow	white	slate	brown	violet

5. Product data

Fiber count	192
Loose tubes x fibers	8x24