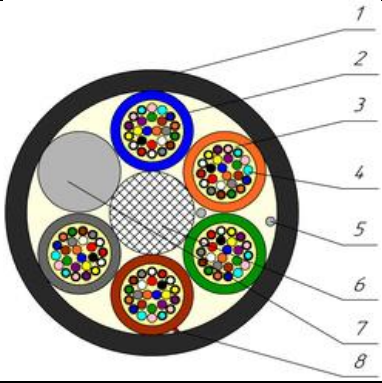


## TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

### 1. Cable construction

Cable type	A-DQ(ZN)2Y-(1-6)x24-200-652D/657A1-1078		
<div></div>			
<p>Cable construction</p> <ul style="list-style-type: none"><li>1. Outer sheath: UV-resistant PE</li><li>2. Optical loose tube: 1,75mm PBT Tube</li><li>3. Intramodule compound: Thixotropic compound</li><li>4. Optical Fiber: 200 mkm Single-mode Fiber according to ITU-T G.652.D and G.657.A1</li><li>5. Water-blocking element of core: Water-swellable yarn</li><li>6. Central strength element: Glass reinforced plastic 1,8mm FRP-E</li><li>7. Core filler: PE</li><li>8. Rip-cord: Water-swellable yarn</li></ul>			
Temperature ranges	Storage and transportation temperature	Installation temperature	Operating temperature
	from -20 to +70 °C	from -10 to +60 °C	from -20 to +70 °C
Resistance to water penetration	Water resistant		
Relative humidity at +35 <sup>0</sup> C, %	98		
Outer diameter, mm	6,2±0,2		
Average weight of 1 km of the cable, kg	33±5%		

### 2. Mechanical characteristics

Calculated tensile strength, not less than <sup>1</sup> , kN	
Dynamic	1,0
Minimum bending radius	20D
Short-term crush test, kN/cm (N/10cm)	0,05 (500)
Resistance to axial torsion at angle ±360° on 2 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

<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). 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
<u>red+m</u>	<u>green+m</u>	<u>blue+m</u>	<u>yellow+m</u>	<u>white+m</u>	<u>slate+m</u>	<u>brown+m</u>	<u>violet+m</u>	<u>aqua+m</u>	<u>transparent</u>	<u>orange+m</u>	<u>pink+m</u>

Coloring of optical loose tube (According to Customer's requirements color can be different). Core-filler color is natural.

1	2	3	4	5	6
red	green	blue	yellow	white	slate

### 5. Product data

<b>Fiber count</b>	24	48	72	96	144
<b>Loose tubes x fibers</b>	1x24	2x24	3x24	4x24	6x24