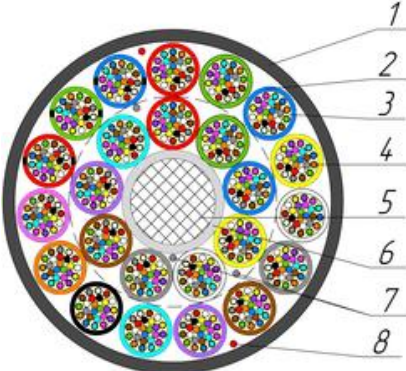


TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

1. Cable construction

Cable type	A-DQ(ZN)2Y (16-24)x24/ A-DQ(ZN)4Y (16-24)x24-10128		
			
Cable construction 1. Outer sheath: UV-resistant PE/PA 2. Optical loose tube: PBT Tube 3. Intramodule compound: Thixotropic compound 4. Optical Fiber: Single-mode Fiber according to ITU-T G.652.D or G.652.D/G.657.A1 5. Central strength element: Glass reinforced plastic FRP-E with insulation 6. Insulation of central strength element: PE 7. Water-blocking element of core: Water-swellaable yarn 8. Rip-cord: Water-swellaable yarn			
Temperature ranges	Storage and transportation temperature	Installation temperature	Operating temperature
	from -40 to +70 °C	from -10 to +50 °C	from -30 to +70 °C
Resistance to water penetration	Water resistant		
Relative humidity at +35 ⁰ C, %	98		
Outer diameter, mm	11,4±0,2		
Average weight of 1 km of the cable, kg	105±5%		

2. Mechanical characteristics

Calculated tensile strength, not less than ¹ , kN	
Dynamic	4
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 ⁰ 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
Package	Drum №14g (1400x1015x1400)
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). Core-filler color is natural. "+m"- denotes single black stripe marking via co-extrusion, white stripe marking for black loose tube.

Layer 1									Layer 2		
1	2	3	4	5	6	7	8	9	1	2	3
red	green	blue	yellow	white	slate	brown	violet	aqua	red	green	blue
Layer 2											
4	5	6	7	8	9	10	11	12	13	14	15
yellow	white	slate	brown	violet	aqua	black	orange	pink	red+m	green+m	blue+m

Cable sheath coloring		
Sheath material	PE	PA
Color	black	orange

5. Product data

Fiber count	384	432	576
Loose tubes x fibers	16x24	18x24	24x24