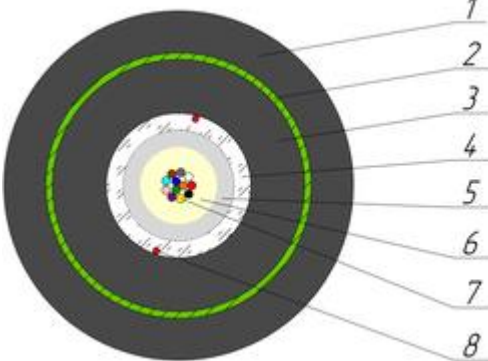


PRELIMINARY TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

Cable construction

Cable type	A-DQ(ZN)2Y(SR)2Y-12-2206		
Standards	IEC 60793, IEC 60794		
			
<p>Cable construction</p> <ol style="list-style-type: none"> 1. Outer sheath: UV-resistant PE 2. Tape armor: Corrugated steel tape 3. Inner sheath: UV-resistant PE 4. Water-blocking strength element: Water swellable glass yarn 5. Optical loose tube: PBT Tube 6. Intramodule compound: Thixotropic compound 7. Optical Fiber: Single-mode Fiber according to ITU-T G.652.D or G.652.D/G.657.A1 8. Rip-cord: Synthetic yarn 			
Temperature ranges	Storage and transportation temperature	Installation temperature	Operating temperature
	from -25 to +70 °C	from -5 to +50 °C	from -25 to +70 °C
Resistance to water penetration	Water resistant		
Relative humidity at +35° C, %	98		
Outer diameter, mm	10,4±0,2		
Average weight of 1 km of the cable, kg	113±5%		

Mechanical characteristics

Calculated tensile strength, not less than ¹ , kN	
Dynamic	1,5
Minimum bending radius	20D
Short-term crush test, kN/cm (N/10cm)	0,25 (2500)
Resistance to axial torsion at angle ±180° 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 10 J	Resistant

¹ Tensile strength value is for maximum number of fibers design

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

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

Electrical characteristics

Electrical resistance of the shell insulation between metal structural elements and ground (water), not less than MOhm*km	2000
Shell DC test voltage between metal structural elements and ground (water), for 5 seconds, V	20 000