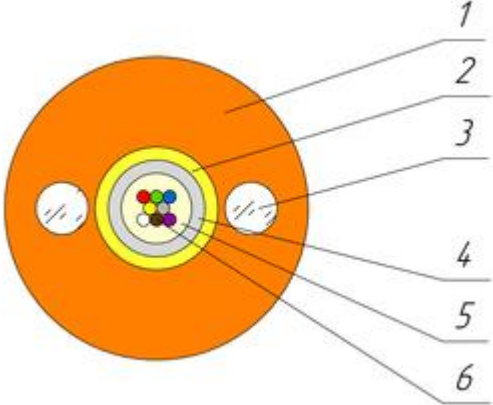


PRELIMINARY TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

Cable construction

Cable type	A-D(ZN)B2Y-(8-12)-7302		
Standards	IEC 60793, IEC 60794		
			
<p>Cable construction</p> <ol style="list-style-type: none"> Outer sheath: UV-resistant PE Strength element of core: Aramid yarns Peripheral strength element: Glass reinforced plastic FRP-E Optical loose tube: PBT Tube Intramodule compound: Thixotropic compound Optical Fiber: Single-mode Fiber according to ITU-T G.652.D or G.652.D/G.657.A1 			
Temperature ranges	Storage and transportation temperature	Installation temperature	Operating temperature
	from -30 to +70 °C	from -20 to +50 °C	from -30 to +70 °C
Resistance to water penetration	Water resistant		
Relative humidity at +35° C, %	98		
Outer diameter, mm	5,8±0,2		
Average weight of 1 km of the cable, kg	28±5%		

Mechanical characteristics

Calculated tensile strength, not less than ¹ , kN	
Static	0,5
Dynamic	1,2
Minimum bending radius	20D
Short-term crush test, kN/cm (N/10cm)	0,3 (3000)
Long-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° 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 №10 (1000x630x1000)
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