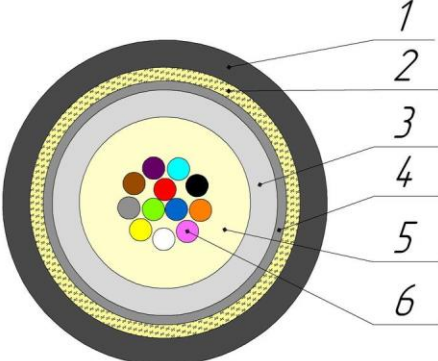


PRELIMINARY TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

Cable construction

Cable type	A-D(ZN)2Y-(6-12)/ A-D(ZN)4Y-(6-12)-7213		
Standards	IEC 60793, IEC 60794		
			
<p>Cable construction</p> <ol style="list-style-type: none"> 1. Outer sheath: UV-resistant PE/PA 2. Strength element of core: aramid yarns 3. The first layer of the loose tube: PC 4. The second layer of the loose tube: PBT Optical loose tube: PBT\PC Tube 5. Intramodule compound: Thixotropic compound 6. Optical Fiber: Single-mode Fiber ¹ 			
Temperature ranges	Storage and transportation temperature	Installation temperature	Operating temperature
	from -40 to +70 °C	from -10 to +60 °C	from -30 to +70 °C
Resistance to water penetration	Water resistant		
Relative humidity at +35 ^o C, %	98		
Outer diameter, mm	2,4±0,2		
Average weight of 1 km of the cable, kg	5,5±5%		

Mechanical characteristics

Calculated tensile strength, not less than ² , kN	
Dynamic	0,08
Minimum bending radius	15D
Short-term crush test, kN/cm (N/10cm)	0,1 (1000)
Resistance to axial torsion at angle ±360° on 1 m length cable	Resistant
Resistance to bends at angle ± 90° with a radius equal to 15 nominal cable diameters	Resistant
Resistance to impact 2 J	Resistant

¹ Can be used:

- 250 μm Single-mode Fiber according to ITU-T G.652.D or G.652.D/G.657.A1
 - 200 μm Single-mode Fiber according to ITU-T G.652.D/G.657.A1

² Tensile strength value is for maximum number of fibers design

Packaging and marking

Cable factory length, km	6
Package	Coil OKKO №1 (495x445x495)
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

Cable sheath coloring		
Sheath material	PE	PA
Color	black	orange