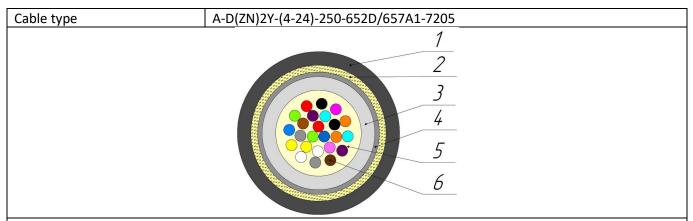


TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

1. Cable construction



Cable construction

1. Outer sheath: UV-resistant PE

2. Strength element of core: aramid yarns3. The first layer of the loose tube: PC4. The second layer of the loose tube: PBT Optical loose tube: 2,8 mm PBT\PC Tube

5. Intramodule compound: Thixotropic compound

6. Optical Fiber: Single-mode Fiber according to ITU-T G.652.D and G.657.A1 $\,$

Temperature ranges	Storage and transportation	Installation	Operating					
	temperature	temperature	temperature					
	from -30 to +70 °C	from -10 to +60 °C	from -30 to +70 °C					
Resistance to water	Water resistant							
penetration								
Relative humidity at +35° C, %	98							
Outer diameter, mm		3,6±0,2						
Average weight of 1 km of the	11±5%							
cable, kg								

2. Mechanical characteristics

Calculated tensile strength, not less than ¹ , kN Dynamic	0,3
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 $\pm 90^{\circ}$ with a radius equal to 15 nominal	Resistant
cable diameters	
Resistance to impact 5 J	Resistant

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 $^{^{\}rm 1}$ Tensile strength value is for maximum number of fibers design



3. Packaging and marking

Cable factory length, km	6
Package	Coil OKKO №3 (655x450x655)
Tolerance, %	±3,0
Short lengths (customer approval)	Maximum 5%
Marking method	Inkjet printing
The accuracy of marking, %	±0,5

4. Coloring

Colorir	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>	green+m	<u>blue+m</u>	<u>vellow+m</u>	white+m	slate+m	brown+m	violet+m	aqua+m	transparent	orange+m	pink+m

5. Product data

Fiber count	4	6	12	24
Loose tubes x fibers	1x4	1x6	1x12	1x24