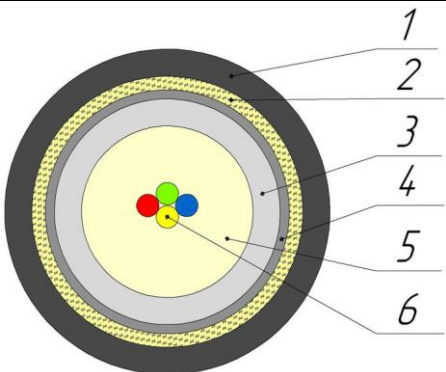


## TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

### 1. Cable construction

Cable type	A-D(ZN)2Y-(2-4)-200-652D/657A1-7211 HP		
<div></div>			
<p>Cable construction</p> <p>1. Outer sheath: UV-resistant PE</p> <p>2. Strength element of core: aramid yarns</p> <p>3. The first layer of the loose tube: PC</p> <p>4. The second layer of the loose tube: PBT</p> <p>Optical loose tube: 1,55 mm PBT\PC Tube</p> <p>5. Intramodule compound: Thixotropic compound</p> <p>6. Optical Fiber: 200 mkm Single-mode Fiber according to ITU-T G.652.D and G.657.A1</p>			
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 <sup>0</sup> C, %	98		
Outer diameter, mm	2,0±0,1		
Average weight of 1 km of the cable, kg	3,5±5%		

### 2. Mechanical characteristics

Calculated tensile strength, not less than <sup>1</sup> , kN	0,06
Dynamic	
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 1 J	Resistant

<sup>1</sup> Tensile strength value is for maximum number of fibers design

**3. 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

**4. Coloring**

Coloring of fibers in loose tube (According to Customer's requirements color can be different).			
1	2	3	4
red	green	blue	yellow

**5. Product data**

Fiber count	2	4
Loose tubes x fibers	1x2	1x4