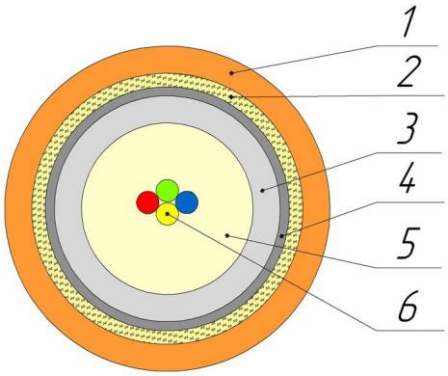
TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

1. Cable construction

Cable type	A-D(ZN)4Y-(2-4)-250-652D/657A1-7211 HP



Cable construction
1. Outer sheath: 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: 1,55 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 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 +35^0 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[1], kN Dynamic	0,06
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 ± 90^0 with a radius equal to 15 nominal cable diameters	Resistant
Resistance to impact 1 J	Resistant

[1] Tensile strength value is for maximum number of fibers design

3. Packaging and marking

Cable factory length, km	6
Package	Coil ОККО №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