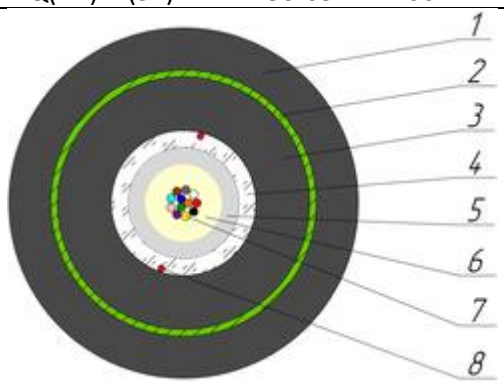
PRELIMINARY TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

1. Cable construction

Cable type	A-DQ(ZN)2Y(SR)2Y-12-250-652D-2206



Cable construction
1. Outer sheath: UV-resistant PE
2. Tape armor: Corrugated steel tape
3. Inner sheath: UV-resistant PE
4. Water-blocking strength element: Water swellable glass yarn
5. Optical loose tube: 3,3 mm PBT Tube
6. Intramodule compound: Thixotropic compound
7. Optical Fiber: Single-mode Fiber according to ITU-T G.652.D
8. Rip-cord: Synthetic yarn

Temperature ranges	Storage and transportation temperature	Installation temperature	Operating temperature
	from -25 to +70 °C	from -5 to +50 °C	from -25 to +70 °C
Resistance to water penetration	Water resistant		
Relative humidity at +35^0 C, %	98		
Outer diameter, mm	10,4±0,2		
Average weight of 1 km of the cable, kg	113±5%		

2. Mechanical characteristics

Calculated tensile strength, not less than[1], kN Dynamic	 1,5
Minimum bending radius	20D
Short-term crush test, kN/cm (N/10cm)	0,25 (2500)
Resistance to axial torsion at angle ±180° on 2 m length cable	Resistant
Resistance to bends at angle ± 90^0 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

3. Packaging and marking

Cable factory length, km	6
Package	Drum №14g (1401x1013x1401)
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	5	6	7	8	9	10	11	12
red	green	blue	yellow	white	slate	brown	violet	aqua	black	orange	pink

5. Product data

Fiber count	12
Loose tubes x fibers	1x12

6. Electrical characteristics

Electrical resistance of the shell insulation between metal structural elements and ground (water), not less than MOhm*km	2000
Shell DC test voltage between metal structural elements and ground (water), for 5 seconds, V	20 000