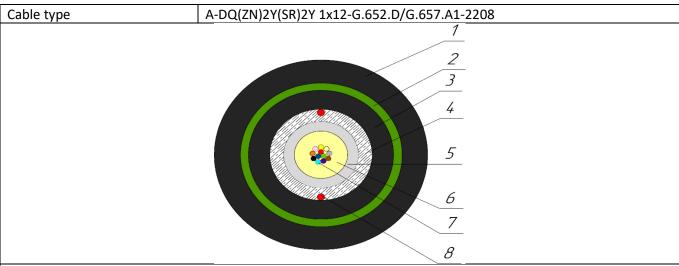


TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

1. Cable construction



Cable construction

Outer sheath: UV-resistant PE
 Tape armor: Corrugated steel tape

3. Inner sheath: UV-resistant PE

4. Strength element: Water-blocking glass yarn

5. Optical loose tube: 3,0mm PBT Tube

6. Intramodule compound: Thixotropic compound

7. Optical Fiber: Single-mode Fibre according to ITU-T G.652.D and G.657.A1

8. Rip-cord: Water-swellable yarn

Temperature ranges	Storage and transportation	Installation	Operating			
	temperature	temperature	temperature			
	from -40 to +70 °C	from -10 to +50 °C	from -30 to +70 °C			
Resistance to water	Water resistant					
penetration						
Relative humidity at +35° C, %	98					
Outer diameter, mm	10,0±0,2					
Average weight of 1 km of the	110±5%					
cable, kg						

2. Mechanical characteristics

Calculated tensile strength, not less than ¹ , kN Dynamic	2,7
Minimum bending radius	20D
Short-term crush test, kN/cm (N/10cm)	0,4 (4000)
Resistance to axial torsion at angle ±180° on 4 m length cable	Resistant
Resistance to bends at angle $\pm 90^{\circ}$ with a radius equal to 20 nominal	Resistant
cable diameters	
Resistance to impact 10 J	Resistant

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

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3. Packaging and marking

Cable factory length, km	6		
Package	Drum №14 (1401x813x1401)		
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