

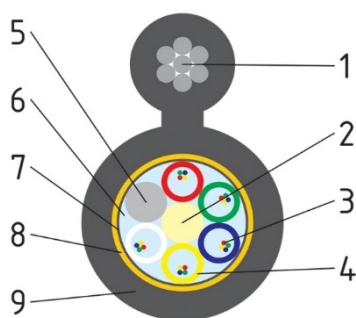
## Type

Outside plant aerial fiber optical cable type A-DQ(ZN)2YT 6x8 E9/125

## Application

Cable type A-DQ(ZN)2YT 6x8 E9/125 is designed for application and operation on overhead utility and power lines under impact of strong winds and ice-loading or their combinations.

## Cable design



1. Strength messenger – fiber reinforced plastic
2. Central strength member – fiber reinforced plastic
3. Optical fibers acc. ITU-T G.652 D / G.657A1
4. Loose Tubes – polybutyleneterephthalate (PBT) filled by thixotropic gel
5. Fillers (if applicable)
6. Core fillings – thixotropic gel
7. Fastening winding of threads and tapes incl. swellable yarns
8. Strength layer - aramid yarns (if applicable)
9. Outer sheath – polyethylene (HDPE)
10. Rip-cord

## Main technical and operational characteristics

<b>Optical</b>	
Type of the fibers	Singlemode optical fibers acc. specification ITU-T G.652 D / G.657A1
Attenuation on reference wavelengths, dB/km: - 1310 nm/ 1550 nm	0.36/0.22
Chromatic dispersion, ps/(nm km): - 1310 nm/ 1550 nm	3.5/18
<b>Geometrical</b>	
Number of fibers, pcs	48
Core design	6x8
Optical tube diameter, mm	2,5
Diameter of the central strength member, mm	1,2
Diameter of the strength messenger, mm	3,5
Nominal sheath thickness, mm	1,6
Diameter of sheathed messenger, mm	6.1
Nominal diameter of the cable, mm	8.3x16.1
Nominal weight, kg/km	94 ± 1.0
<b>Mechanical and climatic</b>	
Minimum bending radius, mm	20 x diameter of cable
Tensile strength, kN	4.0
Crush resistance, N/100 mm	3000
Impact resistance, J	15 (10 impacts)
Temperature range: operational, °C	-40°C - +60°C
Temperature range: storage, °C	-40°C - +60°C
Temperature range: installation, °C	-10°C - +60°C