

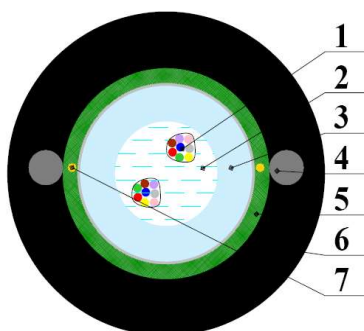
## Type:

Outside plant fiber optical cable type A-DQ(ZM)(SR)2Y 2x12 E9/125

## Application

Cable type A-DQ(ZM)(SR)2Y 2x12 E9/125 is designed for installation in cable ducts, pipes, blocks, directly in the soils of all categories, including the area with corrosion activity and the territories infected with rodents except subjected to deformations, as well as through swamps, lakes, unfloatable and non-navigable rivers up to 15 meters deep.

## Cable design



1. Optical fibers acc. ITU-T G.652D/G.657A1
2. Central tube filling – thixotropic gel
3. Central tube – polyethyleneterphtalat (PBT)
4. Strength member – two steel wires placed longitudinally (wires do not touch the armouring)
5. Armouring - corrugated laminated steel tape
6. Outer sheath – polyethylene (HDPE)
7. Rip cord (if applicable)

## Main technical and operational characteristics

Optical	
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
Geometrical	
Number of fibers, psc	24
Central tube's diameter, mm	3.0
Steel wires, mm	2x1.2
Nominal dimensions, mm (width/thickness)	8.5/11.5 (± 0.6)
Nominal weight, kg/km	116
Mechanical and climatic	
Minimum bending radius, mm	20 x diameter of cable
Tensile strength, kN	2.7
Crush resistance, N/100 mm	3000
Impact resistance, J	15 (25 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