

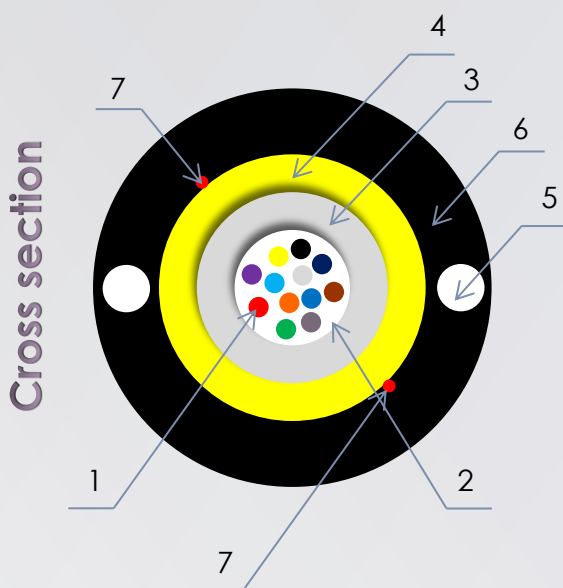
**Fiber optic cables, aerial ZTT 2-24J ADSS, unitube, G.652D, 1-1.2 kN  
Z-ADSS.UT-02-24J**



**ZTT 2-24J ADSS fiber optic cables** are dielectric cables with a single-tube design for overhead installations on spans up to 50 meters. They were reinforced with aramid fibers and two FRP rods (Fiber Reinforced Polymer) with a diameter of 0.58 mm embedded in the external cover. Single-mode G.652D fibers have been used, which have a reduced "water peak" (Zero Water Peak). The fibers are located in a central tube filled with a hydrophobic gel that protects them from moisture and vibration. The outer shell is made of high-density HDPE polyethylene (black), resistant to UV radiation, as well as low and high temperatures (from -40 [° C] to 70 [° C]). The outer diameter of the cables is 5.2-6.2 mm, and the maximum installation stress is 1-1.2kN. To facilitate the removal of the outer shell, a double ripcord was used. In addition to overhead networks, **ZTT 2-24j ADSS cables** will be successfully used in sewage systems.

Product code	Z-ADSS-UT.02J	Z-ADSS-UT.04J	Z-ADSS-UT.08J	Z-ADSS-UT.12J-2	Z-ADSS-UT.24J
Type of fibers	G.652D	G.652D	G.652D	G.652D	G.652D
Number of fibers	2	4	8	12	24
Outer diameter [mm]	5.2	5.2	5.2	5.2	6.2
Lose tube [mm]	2	2	2	2	3
FRP [mm]	0.58	0.58	0.58	0.58	0.58
Weight [kg/km]	23	23	23	23	35

Table 1. General data



**Cable construction:**

- 1 - Fibers
- 2 - Hydrophobic gel
- 3 - Central tube
- 4 - Fiberaramid
- 5 - FRP (x2)
- 6 - Outer sheath (black)
- 7 - Ripcord (x2)

- ✓ Aerial cable systems (up to 50 m)
- ✓ Teletechnical sewerage systems

Fiber optic cables, aerial ZTT 2-24J ADSS, unitube, G.652D, 1 kN  
**Z-ADSS.UT-02-24J**

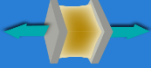
	Norm	Cables 02-12J, 5.2 mm	Cables 24J, 6.4 mm
Max. Tensile load [N]	IEC 60794-1-2-E1	1000	1200
Crush resistance / 10cm [N]	IEC 60794-1-2-E3	1000	
Torsion [N]	IEC 60794-1-2-E7	100 (5 cykli, +/-180°)	
Repeated bending [mm]	IEC 60794-1-2-E6	52	64
Operation temperature [°C]	IEC 60794-1-2-F1	-40~+70	
Installation temperature [°C]	IEC 60794-1-2-F1	-30~+60	

Table 2. Strength parameters

Number	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

Table 3. Fiber color identification