

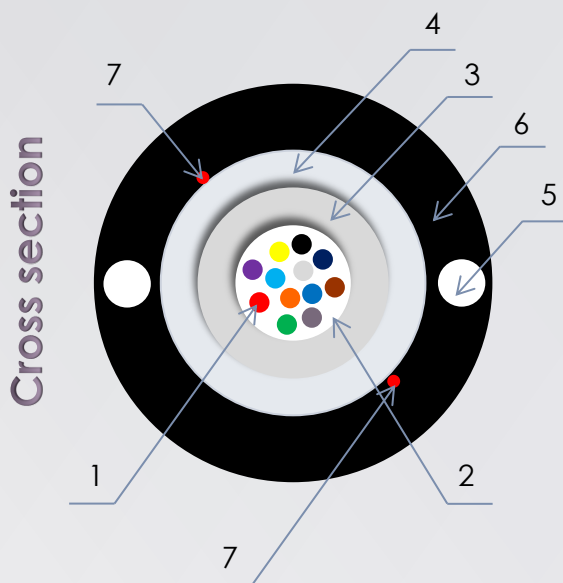
Fiber optic cables, universal ZTT 2-24J, unitube, G.652D
Z-UN-UT.02-24J



ZTT 2-24J Universal fiber optic cables are single-tube construction cables designed for laying inside building and in teletechnical sewerage systems. They were strengthened with glass fibers and two FRP (Fiber Reinforced Polymer) rods embedded in the outer layer. In addition, a double ripcord was used to facilitate the removal of the external cover of the cable. The tube with optical fibers contains a hydrophobic gel that protects them from moisture and vibration. Single-mode G.652D fibers have been used, which have a reduced "water peak" (Zero Water Peak). The cable is completely dielectric, with good tensile strength and pressure. The external cover is made of high-density polyethylene (HDPE, black) with high resistance to chemical agents and substances present in teletechnical sewerage system.

Product code	Z-UN-UT.02J	Z-UN-UT.04J	Z-UN-UT.08J	Z-UN-UT.12J-2	Z-UN-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]	24	24	24	24	35

Table 1. General data



Cable construction:

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

- ✓ Indoor installations
- ✓ Teletechnical sewerage systems

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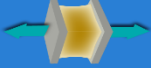
	Norm	Cables 02-12J, 5.2 mm	Cables 24J, 6.2 mm
Max. Tensile load [N]	IEC 60794-1-2-E1	800	
Crush resistance / 10cm [N]	IEC 60794-1-2-E3	1000	
Torsion [N]	IEC 60794-1-2-E7	100 (5 cycles, +/-180°)	
Repeated bending [mm]	IEC 60794-1-2-E6	52	62
Operation temperature [°C]	IEC 60794-1-2-F1	-40~+70	
Installation 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