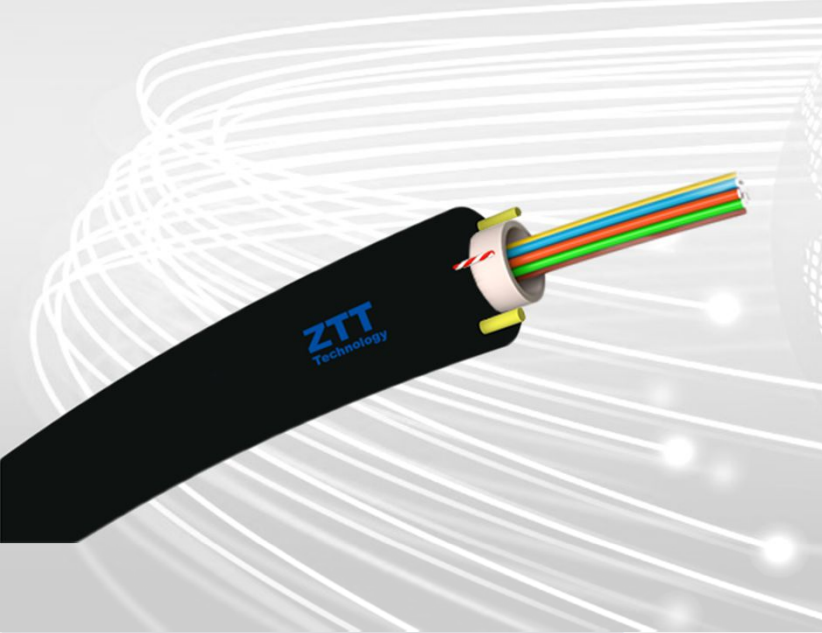


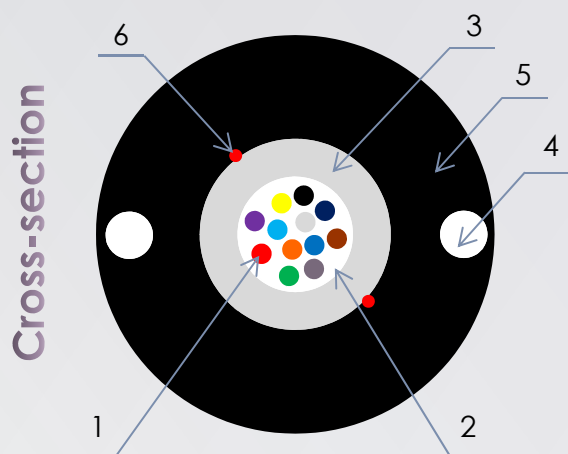
Fiber optic unitube, universal cables ZTT 2-24F, G.652D, light version
Z-DT-UT.02-24J-L



ZTT 2-24F universal, light fiber optic cables have unitube construction, designed for laying inside buildings, in duct or microduct systems. They were strengthened with fiberglass and two FRP (Fiber Reinforced Polymer) rods embedded in the outer jacket. 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 which protects them from moisture and vibration. Single-mode G.652D optical fibers have been used which have a reduced "water peak" (Zero Water Peak). The cables are completely dielectric, with good tensile strength and crush resistance. The external jacket is made of high-density polyethylene (HDPE, black) with high resistance to chemical agents and substances occurring in duct or microduct systems.

Product ID	Z-DT-UT.02J-L	Z-DT-UT.04J-L	Z-DT-UT.08J-L	Z-DT-UT.12J-2-L	Z-DT-UT.24J-L
Type of fibers	G.652D	G.652D	G.652D	G.652D	G.652D
Number of fibers	2	4	8	12	24
Outer diameter [mm]	4.5	4.5	4.5	4.5	5.2
Tube diameter [mm]	1.7	1.7	1.7	1.7	2
FRP diameter [mm]	0.58	0.58	0.58	0.58	0.58
Weight [kg/km]	21	21	21	21	33

Table 1. Technical data of fiber optic universal cables ZTT 2-24F



Cable construction:

- 1 - Optical fibers
- 2 - Hydrophobic gel
- 3 - Central tube
- 4 - FRP rods (x2)
- 5 - HDPE jacket (black)
- 6 - Ripcords (x2)

- ✓ Indoor installations
- ✓ Duct and microduct systems



**Fiber optic unitube, universal cables ZTT 2-24F, G.652D, light version
Z-DT-UT.02-24J-L**

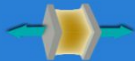
	IEC Standard	Cables 2-12F	Cables 24
Max. Tensile load [N]	IEC 60794-1-2-E1	700	
Crush resistance [N/10 cm]	IEC 60794-1-2-E3	800	
Torsion [N]	IEC 60794-1-2-E7	100 (5 cycles, +/-180°)	
Repeated bending [mm]	IEC 60794-1-2-E6	45	52
Operation temperature [°C]	IEC 60794-1-2-F1	-40~+70	
Installation temperature [°C]	IEC 60794-1-2-F1	-30~+60	

Table 2. Mechanical parameters of fiber optic universal ZTT cables 2-24F, unitube, light, G.652D

Number	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Purple	Pink	Aqua

Table 3. Fiber optic colour coding

