

✔ Fiber optic unitube ADSS cables Z-ADSS-UT-02-24J, G.652D, span 80 m



- ▶ HDPE jacket (black)
- ▶ Unitube, dielectric structure
- ▶ UV resistant
- ▶ Reinforced by aramid yarns
- ▶ Reinforced by two FRP rods
- ▶ Hydrophobic gel in tube
- ▶ Optical fibers G.652D
- ▶ Ripcord

Application:

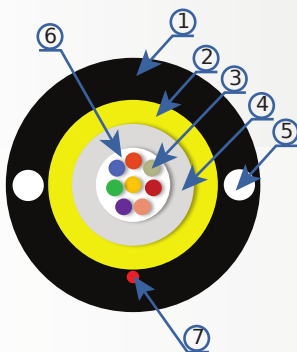
- ▶ Aerial installations, span up to 80 m
- ▶ Duct/microduct systems

Technical data	Product ID	Number of fibers	Cable diameter [mm]	Tube diameter [mm]	FRP rod diameter [mm]	Weight [kg/km]
	Z-ADSS-UT.02J	2	5.2	2	0.58	23
	Z-ADSS-UT.04J	4	5.2	2	0.58	23
	Z-ADSS-UT.08J	8	5.2	2	0.58	23
	Z-ADSS-UT.12J-2	12	5.2	2	0.58	23
	Z-ADSS-UT.24J	24	6.4	3	0.58	35

Table 1. Fiber optic unitube ADSS ZTT cables 2-24F, G.652D

Mechanical parameters	IEC/ISO standard	Z-ADSS-UT.02-24J
Tensile Strength	IEC 794-1-E1	1200N
Crush resistance	IEC 794 -1-E3	1000N/100 mm
Impact resistance	IEC 794 -1-E4	20 impacts, 5 Nm
Repeated bending	IEC 794-1-E6	15 [cycles(15xD)], load 100N
Torsion resistance	IEC 794-1-E7	10 cycles 180°, 100N
UV resistance	ISO 4892/2	✔
Water penetration resistance	IEC 794-1-F5B	✔
Abrasion resistance	IEC 794-1-E2	✔
Temperature cycling test	IEC 794-1-F1	2 thermal cycles in the range of -40°C+70°C

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



- 1 - HDPE jacket
- 2 - Aramid yarns
- 3 - Optical fibers G.652D
- 4 - Tube with optical fibers
- 5 - FRP rod 0.58 mm (x2)
- 6 - Hydrophobic gel
- 7 - Ripcords

Number	1	2	3	4	5	6
Colour	Blue	Orange	Green	Brown	Grey	White
Number	7	8	9	10	11	12
Colour	Red	Black	Yellow	Violet	Pink	Aquamarine

Table 3. Fiber optic colour coding

- ▶ Storage and transport temperature: -40°C + 70°C
- ▶ Installation temperature: -30°C + 60°C
- ▶ Operation temperature: -40°C + 70°C

STRUCTURE OF CABLE (example for 8F)

