

✔ Fiber optic multitube ADSS cables Z-ADSS-MT-12-144J.2.7kN, G.652D, span 90 m



- HDPE jacket (black)
- Multitube structure
- High tensile strength
- UV resistant
- Reinforced by aramid yarns
- Reinforced by central FRP rod
- Hydrophobic gel in tubes
- Optical fibers G.652D
- Ripcord

**Applications:**

- Aerial installations, span up to 90 m
- Microduct systems

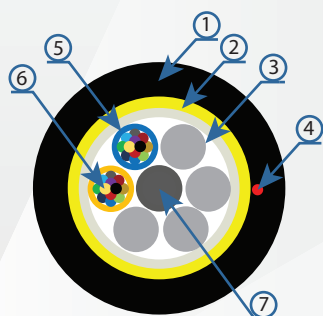
	Product ID	Number of fibers	Number of fibers in tube	Number of tubes/fillers	Cable diameter [mm]	Thickness of jacket [mm]	Weight [kg/km]
Technical data	Z-ADSS-MT-12J.2.7KN-6F/T	12	6	2/4	10.9	1.6	88
	Z-ADSS-MT-12J.2.7KN-12F/T	12	12	1/5	10.9	1.6	88
	Z-ADSS-MT-24J.2.7KN-12F/T	24	12	2/4	10.9	1.6	88
	Z-ADSS-MT-48J.2.7KN-12F/T	48	12	4/2	10.9	1.6	88
	Z-ADSS-MT-72J.2.7KN-12F/T	72	12	6/0	10.9	1.6	88
	Z-ADSS-MT-96J.2.7KN-12F/T	96	12	8/0	12.7	1.6	118
	Z-ADSS-MT-144J.2.7KN-12F/T	144	12	12/0	15.8	1.6	181

Table 1. Fiber optic ADSS ZTT cables 12-144F, multitube, 2.7kN, G.652D

Mechanical parameters	IEC/ISO standard	Z-ADSS-MT-12-144J.2.7kN
Tensile Strength	IEC 794-1-E1	2700 N
Crush resistance	IEC 794 -1-E3	1500 N/100 mm
Impact resistance	IEC 794 -1-E4	20 impacts, 10 Nm
Repeated bending	IEC 794-1-E6	20 [cycles(15xD)], load 120N
Torsion resistance	IEC 794-1-E7	10 cycles 180°, 140 N
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 ADSS ZTT cables 12-144F, multitube, 2.7kN, G.652D

**STRUCTURE CABLE (example for 24F cable (12F/T))**



- 1 - HDPE jacket
- 2 - Aramid yarns
- 3 - Filler
- 4 - Ripcord
- 5 - Tube with optical fibers
- 6 - Optical fibers G.652D
- 7 - Central FRP rod

\*FRP diameter 2.5 mm for 12-72F  
\*FRP diameter 3.0 mm for 96F  
\*FRP diameter 3.3 mm for 144F

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 and tubes colour coding

- Storage and transport temperature: -40°C ÷ 70°C
- Installation temperature: -15°C ÷ 50°C
- Operation temperature: -40°C ÷ 70°C

