

✔ Fiber optic multitube ADSS cables Z-ADSS-MT-12-144J.4kN, G.652D, span 150 m



- ▶ HDPE jacket (black)
- ▶ Multitube structure
- ▶ Very high tensile strenght
- ▶ UV resistant
- ▶ Reinforced by aramid yarns
- ▶ Reinforced by central FRP rod
- ▶ Hydrophobic gel in tubes
- ▶ Optical fibers G.652D
- ▶ Ripcords

Applications:

- ▶ Aerial installations, span up to 150 m
- ▶ Microduct systems

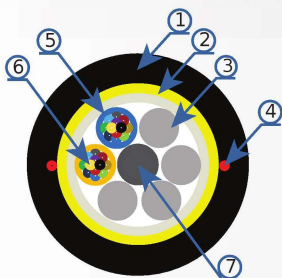
Technical data	Product ID	Number of fibers	Number of fibers in tube	Number of tubes/fillers	Cable diameter [mm]	Thickness of jacket [mm]	Weight [kg/km]
	Z-ADSS-MT-12J.4KN-6F/T	12	6	2/4	11.1	1.6	92
	Z-ADSS-MT-12J.4KN-12F/T	12	12	1/5	11.1	1.6	92
	Z-ADSS-MT-24J.4KN-6F/T	24	6	4/2	11.1	1.6	92
	Z-ADSS-MT-24J.4KN-12F/T	24	12	2/4	11.1	1.6	92
	Z-ADSS-MT-48J.4KN-12F/T	48	12	4/2	11.1	1.6	92
	Z-ADSS-MT-72J.4KN-12F/T	72	12	6/0	11.1	1.6	92
	Z-ADSS-MT-96J.4KN-12F/T	96	12	8/0	12.8	1.6	121
	Z-ADSS-MT-144J.4KN-12F/T	144	12	12/0	15.9	1.6	185

Table 1. Fiber optic ADSS ZTT cables 12-144F, multitube, 4kN, G.652D

Mechanical parameters	IEC/ISO standard	Z-ADSS-MT-12-144J.4kN
Tensile Strength	IEC 794-1-E1	4000N
Crush resistance	IEC 794 -1-E3	1500N/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°, 150N
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, 4kN, G.652D

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



- 1 - HDPE jacket
- 2 - Aramid yarns
- 3 - Filler
- 4 - Ripcord (x2)
- 5 - Tube with optical fibers
- 6 - Optical fibers G.652D
- 7 - Central FRP rod (2.5 mm)

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

