

✔ Fiber optic multitube duct cables Z-DT.MT.12-24J, 1.5kN, G.652D



- HDPE jacket (black)
- Multitube structure
- UV, water resistant
- Resistance to chemical agents
- Resistance to substances occurring in duct systems
- Reinforced by glass fibers
- Reinforced by central FRP rod
- Hydrophobic gel in tube
- Optical fibers G.652D
- Ripcords

Applications:

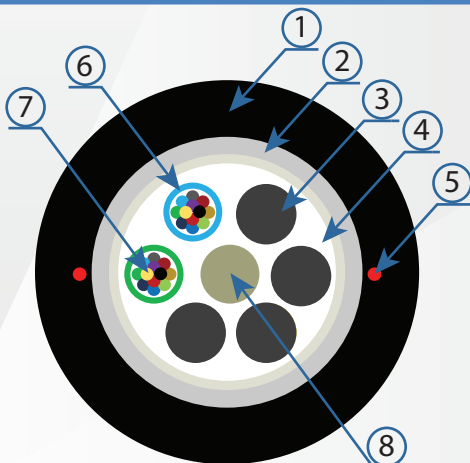
- Duct systems
- Distribution networks
- Campus networks

Technical data	Product ID	Number of fibers	Number of fibers in tube	Number of tubes/fillers	Cable diameter [mm]	Jacket thickness [mm]	Weight [kg/km]
	Z-DT.MT-12J.1.5KN-6F	12	6	2/4	8	1.1	52
	A-DT.MT-12J.1.5KN-12F	12	12	1/5	8	1.1	52
	A-DT.MT-24J.1.5KN-6F	24	6	4/2	8	1.1	52
	A-DT.MT-24J.1.5KN-12F	24	12	2/4	8	1.1	52

Table 1. Fiber optic duct ZTT cables 12-24F, multitube, 1.5kN, G.652D

Mechanical parameters	IEC standard	Z-DT.MT-12-24J.1.5KN
Tensile Strength	IEC 794-1-E1	1500
Crush resistance	IEC 794 -1-E3	1500N/100mm
Impact resistance	IEC 794 -1-E4	20 impacts, 10 Nm
Repeated bending	IEC 794-1-E6	20 [cycles(15xD)], load 150N
Torsion resistance	IEC 794-1-E7	10 cycles 180°, load 120N
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 duct ZTT cables 12-24F, multitube, 1.5kN, G.652D

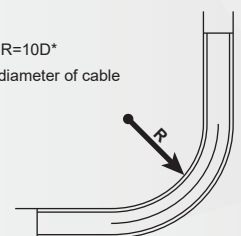


- 1 - HDPE jacket
- 2 - Fiberglass
- 3 - Filler
- 4 - Hydrophobic gel
- 5 - Ripcords (x2)
- 6 - Tube with optical fibers
- 7 - Optical fibers G.652D
- 8 - Central FRP rod

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

* R=10D*
*D - outer diameter of cable



Minimum bending radius



Structure of cable (example for 24F (12F/T))