Fiber optic cables
(anti-rodent DUCT cables)

Fiber optic multitube duct cables Anti-Rodent Z-DT.MT.12-144J, 2.7kN, G.652D

- Anti-Rodent protection
- Two-layered HDPE jacket (black)
- Reinforced by a thick layer of glass fibers
- Multitube structure
- UV, water resistant
- Resistance to chemical agents
- Resistance to substances occuring in duct systems
- Reinforced by central FRP rod
- Hydrophobic gel in tube
- Optical fibers G.652D
- Ripcords

Applications:

- Places exposed to rodent attacks
- Duct systems
- Distribution networks
- Campus networks
- Outside the buildings

Technical data	Product ID	Number of fibers	Number of fibers in tube	Number of tubes/fillers	Cable diameter [mm]	Weight [kg/km]
	Z-DT.MT-12J.2.7KN-6F/T	12	6	2/4	9	73
	Z-DT.MT-12J.2.7KN-12F/T	12	12	1/5	9	73
	Z-DT.MT-24J.2.7KN-12F/T	24	12	2/4	9	73
	Z-DT.MT-48J.2.7KN-12F/T	48	12	4/2	9	73
	Z-DT.MT-72J.2.7KN-12F/T	72	12	6/0	9	73
	Z-DT.MT-96J.2.7KN-12F/T	96	12	8/0	9.6	83
	Z-DT.MT-144J.2.7KN-12F/T	144	12	12/0	12.1	117

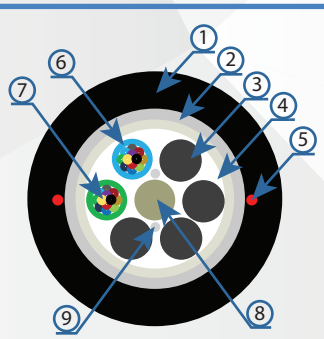
Table 1. Fiber optic duct Anti-Rodent ZTT cables 12-144F, multitube, 2.7kN, G.652D

Mechanical parameters	IEC/ISO standard	Fiber optic Anti-Rodent DUCT cables Z-DT.MT-12-144J.2.7KN-12F/T
Tensile Strength	IEC 794-1-E1	2700N
Crush resistance	IEC 794 -1-E3	1500N/100 mm
Impact resistance	IEC 794 -1-E4	20 impacts, 15 Nm
Repeated bending	IEC 794-1-E6	20 [cycles(15xD)]
Torsion resistance	IEC 794-1-E7	10 cycles 180˚, load 170N
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 Anti-rodent ZTT cables 12-144F, multitube, 2.7kN, G.652D

Structure of cable (example for 24F)

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



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*