

✔ Fiber optic multitube duct cables Z-DT.MT.96-288J, 2kN, 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

Application:

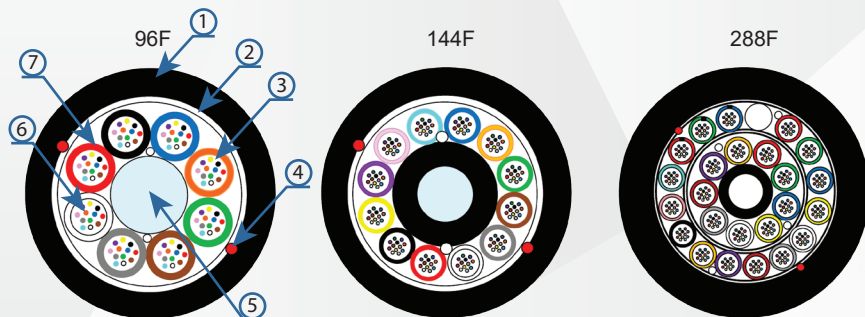
- Duct systems
- Distribution networks
- Campus networks

Technical data	Product ID	Number of fibers	Number of fibers in tube	Number of tubes/fillers	Diameter [mm]	Jacket thickness [mm]	Weight [kg/km]
	Z-DT.MT.96J.2KN-12F	96	12	8/0	9.6	1.1	80
	Z-DT.MT.144J.2KN-12F	144	12	12/0	12.2	1.1	126
	Z-DT.MT.288J.2KN-12F	288	12	24/1	14.6	1.1	148

Table 1. Fiber optic duct ZTT cables 96-288F, multitube, 2kN, G.652D

Mechanical parameters	IEC standard	Z-DT.MT.96-288J.2kN-12F
Tensile Strength	IEC 794-1-E1	2000
Crush resistance	IEC 794 -1-E3	1500N/100mm
Impact resistance	IEC 794 -1-E4	20 impacts, 12 Nm
Repeated bending	IEC 794-1-E6	20 [cycles(15xD)], load 150N
Torsion resistance	IEC 794-1-E7	10 cycles 180°, load 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 duct ZTT cables 96-288F, multitube, 2kN, G.652D



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

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: -15°C + 50°C
- Operation temperature: -30°C + 70°C

