

✔ Fiber optic multitube duct cable Z-DT.MT-16J.2.7KN-4F/T, 3kN, 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

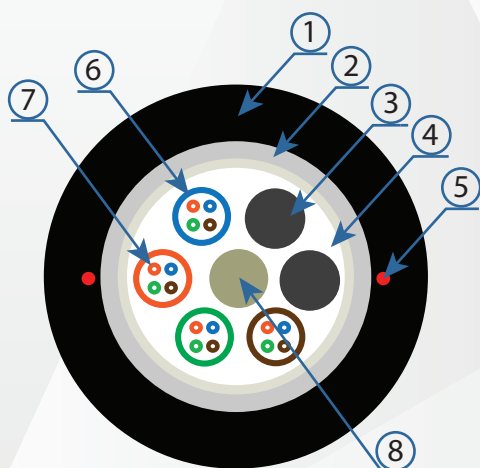
Technical data	Product ID	Number of fibers	Number of fibers in tube	Number of tubes/fillers	Diameter [mm]	Jacket thickness [mm]	Weight [kg/km]
	Z-DT.MT-16J.2.7KN-4F/T	16	4	4/2	10.6	2	96

Table 1. Fiber optic duct cable ZTT 16F, multitube, 3kN, G.652D

Mechanical parameters	IEC standard	Z-DT.MT-16J.2.7KN-4F/T
Tensile Strength	IEC 794-1-E1	2700
Crush resistance	IEC 794 -1-E3	3000N/100mm
Impact resistance	IEC 794 -1-E4	Energy 10J, radius 300 mm, impact points:3
Repeated bending	IEC 794-1-E6	30[cycles(20xD)]
Torsion resistance	IEC 794-1-E7	5 cycles 180°, sample length 2 m
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 cable 16F, multitube, 3kN, G.652D

**Structure of cable**

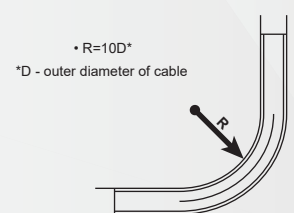


- 1 - HDPE jacket
- 2 - Fiberglass
- 3 - Filler
- 4 - Hydrophobic gel
- 5 - Ripcords (x2)
- 6 - Tube with optical fibers
- 7 - Optical fibers G.652D
- 8 - Central FRP rod

Fiber colour	Blue	Orange	Green	Brown
Tube colour	Blue	Orange	Green	Brown

Table 3. Fiber optic and tubes colour coding

- Storage and transport temperature: -40°C + 70°C
- Installation temperature: -15°C + 50°C
- Operation temperature: -30°C + 70°C



Minimum bending radius

