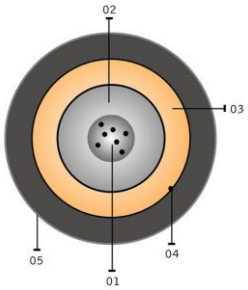
OPTRAL

# TENAX (DT) - 1500N

## Dielectric Unitube Cable (Up to 24 FO)






**Cable Description**
**01.** Fibre Optics
**02.** Central Tube (Jelly Filled)
**03.** Fiberglass Reinforcements – WB
**04.** Ripcord
**05.** Outer Jacket

**Fire Performance**
Flame retardant (IEC 60332-1)
Fire retardant (IEC 60332-3)
Halogen free (IEC 60754-1/-2)
Low smoke emission (IEC 61034-2)

**Applications**
Universal (Indoor / Outdoor)

**Rodent protection**
Rodent protected

**Options**
Special colour code (TIA 598)

**CPR Classification (Euroclass)**
Reaction to Fire: Eca
Declaration Code: DOP01001

**Advantages**
Compact / Lightweight / Flexible / Tough / Resistant / Watertight / Excellent mechanical resistance / Totally dielectric / Reduced diameter / Rodent protected.




| | SPECIFICATIONS | |
|---|---|---|
| **Fibre Count** | 2 / 4 / 6 / 8 / 12 | 16 / 24 |
| **∅ Central Tube (mm)** | 3.5 ± 0.2 | 4.2 ± 0.2 |
| **Strength Members** | Fibreglass Yarns WB (Waterblocking) | |
| **Outer Jacket** | LSZH [1] | |
| **Colour** | Dark Grey | |
| **Weight (Kg/Km)** | 63 | 77 |
| **Outer ∅ (mm)** | 7.4 ± 0.3 | 8.4 ± 0.3 |
| **Max. Tensile Load (N)** | 1500 (Operation) / 2000 (Installation) – (IEC 60794-1-21 E1) | |
| **Max. Crush (N/10cm)** | 2500 (IEC 60794-1-21 E3) | |
| **Max. Impact (J)** | 5 (IEC 60794-1-21 E4) | |
| **Watertightness** | According (3m / 1m / 24h / Optical Core / IEC 60794-1-22 F5B) | |
| **Temperature Range** | -30ºC to +70ºC (IEC 60794-1-22 F1) | |
| **Min. Bending Radius** | 15 x Outer ∅ (Operation) / 20 x Outer ∅ (Installation) - (IEC 60794-1-21 E11) | |
| **Maximum Length (m)** | 4000 | 2000 |

**Standards**
Mechanical and Environmental tests according to IEC 60794-1-21 and IEC 60794-1-22.

Fibres colour code: Red - Green - Blue - Yellow - Grey - Violet - Brown - Orange - White - Pink - Black - Turquoise. With black stripe: Red - Green - Blue - Yellow - Grey - Violet - Brown - Orange - White - Pink - Natural - Turquoise.

[1] LSZH – Halogen free, low smoke and flame retardant thermoplastic compound.

All technical specifications are subject to change without prior notice. Consult OPTRAL for the latest edition.