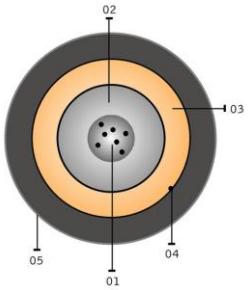
OPTRAL

TENAX (FR-750) / QFAI Uni

Dielectric Unitube Cable (Up to 24 FO)





Cable Description
01. Fibre Optics
02. Central Tube (Jelly filled) + Mica Tape
03. Fibreglass Reinforcements - WB
04. Ripcord
05. Outer Jacket

Fire Performance
Flame retardant (IEC 60332-1)
Fire retardant (IEC 60332-3-22)
Halogen free (IEC 60754-1/-2)
Low smoke emission (IEC 61034-2)
Fire resistant (IEC 60331-25, 180 min, 750ºC)
Emergency circuits (EN50200 - PH120, 830ºC)

Applications
Universal (Indoor / Outdoor)

Rodent protection
Rodent protected

Options
Special colour code (TIA 598)
Outer jacket SHF2
Outer jacket MUD

CPR Classification (Euroclass)
Reaction to Fire: Dca, s2, d2, a1
Declaration Code: DOP01006

Advantages
Compact / Lightweight / Flexible / Tough / Resistant / Totally dielectric / Watertight / Reduced diameter / Rodent protected.



	SPECIFICATIONS	
Fibres	2 / 4 / 6 / 8 / 12	16 / 24
∅ Central Tube (mm)	3.5 ± 0.2	4.2 ± 0.2
Fire protection over tube	Mica Tape	
Strength Members	Fibreglass Reinforcements WB (Waterblocking)	
Outer Jacket	LSZH-SHF1 [1]	
Colour	Black	
Weight (Kg/Km)	85	93
Outer ∅ (mm)	9.2 ± 0.3	9.5 ± 0.3
Max. Tensile Load (N)	4000 (Installation) - (IEC 60794-1-21 E1)	
Max. Crush (N/dm)	3200 (IEC 60794-1-21 E3)	
Max. Impact (J)	10 (IEC 60794-1-21 E4)	
Temperature Range	-40ºC to +70ºC (Operating) / -15ºC to +50ºC (Installation) (IEC 60794-1-22 F1)	
Min. Bending Radius (mm)	10 x Outer ∅ (Operation) / 15 x Outer ∅ (Installation) - (IEC 60794-1-21 E11)	

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-SHF1 – Halogen free, low smoke and flame retardant thermoplastic compound (IEC 60092 – 359 / SHF1).

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