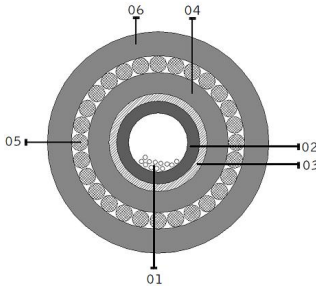




Metallic Armoured Unitube Cable (Up to 24 FO)



Cable Description

- 01. Fibre Optics
- 02. Central Tube (Jelly filled)
- 03. Strength Members
- 04. Inner Jacket
- 05. Metallic Armour
- 06. Outer Jacket

Fire Resistance

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

Applications

- Universal (Indoor/Outdoor)
- Direct Burial
- Offshores

Rodent protection

Excellent rodent resistance

Options

- Jacket: PE / PA / MUD
- Strength Members: Aramid
- Special colour code: EIA/TIA 598

CPR Classification (Euroclass)

Reaction to Fire: Eca
 Declaration Code: DOP01150

Advantages

Compact / Tough / Resistant / Reduced diameter / Watertight / Excellent rodent resistance



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

SPECIFICATIONS

Fibres	2 / 4 / 6 / 8 / 12	16 / 24
Central Tube Ø (mm)	3.5 ± 0.2	4.5 ± 0.2
Strength Members	Reinforced Fiberglass WB (Waterblocking)	
Inner Jacket	LSZH ¹ - Black	
Armour	Steel Wire Armour	
Outer Jacket	LSZH ¹ - Black	
Weight (Kg/Km)	217 ± 10%	240 ± 10%
Outer Ø (mm)	11.1 ± 0.5	12.3 ± 0.5
Max. Tensile Load (N)	3500 (Operating) / 4500 (Installation)	4500 (Operating) / 6000 (Installation)
Max. Crush (N/10cm)	3500 (IEC 60794-1-21 E3)	4000 (IEC 60794-1-21 E3)
Max. Impact (J)	5 (IEC 60794-1-21 E4)	
Repeated bending	25 cycles (IEC 60794-1-21 E6, r = 220mm, 4Kg)	
Torsion	10 Turns (IEC 60794-1-21 E7, 2m, ±180°, 4Kg)	
Water tightness	According (3m / 1m / 24h / Optical core / IEC 60794-1-22 F5B)	
Temperature Range	-40°C to +70°C (Operation) / -5°C to +50°C (Installation) - (IEC 60794-1-22 F1)	
Min. Bending Radius (mm)	15 x Outer Ø (Operation) / 20 x Outer Ø (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 – Halogen free, low smoke and flame retardant thermoplastic compound.