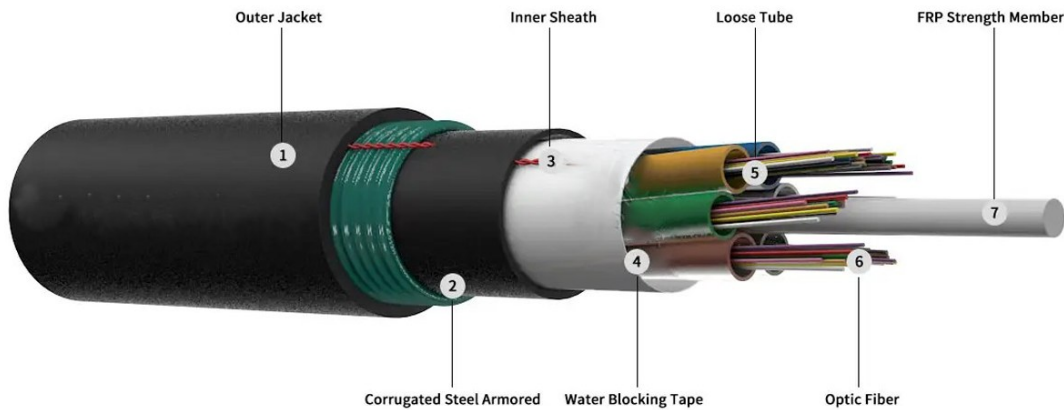


Direct-Burial Armored Multi Loose Tube Fiber Optic Cables



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Features and Benefits

Applications:

- Suitable for Underground Direct-Burial installations.
- Telecommunication Networks (FTTH, long-haul, metro networks).
- Military & Defense Communication Systems.
- Oil & Gas Pipeline Monitoring.
- Railway & Highway Communication Systems.
- Power Utility & Smart Grid Networks.
- Rural & Remote Area Broadband Deployment.
- Industrial & Mining Communication Networks.

Key Features:

- Twin Sheath and Corrugated Steel Tape (CST) provides mechanical strength against crushing, rodent attacks and external pressure.
- Water-Blocking Gel or Dry Water-Swellable Tapes ensure long-term moisture resistance.

Physical Specifications

Structure:

Core: Multi Loose tube design (12-144 fibers)

Fiber Type: Single-mode (G.652.D) or multimode (OM3/OM4/OM5)

Loose Tubes: PBT outer Dia. 2.0 to 2.4mm , gel-filled (2~48 fibers/tube).

Water Resistance: Gel-filled or dry core (water-blocking tape)

Strength Member: Central steel wire or FRP (fiber-reinforced plastic)

Inner Sheath: High-density polyethylene (HDPE)

Armor: Corrugated steel tape (CST) for crush resistance

Outer Sheath: UV-resistant PE (Polyethylene)

Mechanical & Environmental Specs:

Tensile Strength: (Long-term ≥ 1000 N /Short-term: ≥ 3000 N)

Crush Resistance: ≥ 2000 N/10cm

Bending Radius (Static/Dynamic): $20\times$ / $10\times$ cable diameter

Operating Temperature: -20°C to $+70^{\circ}\text{C}$

Water Resistance: Passes IEC 60794-1-F5B (longitudinal blocking)

Impact Resistance : ≥ 4 N.m (IEC 60794-1-2)

Standard Compliances

- IEC 60794-1-2 (Optical fiber cable mechanical & environmental tests).
- ITU-T G.652.D (Single-mode fiber standard).
- RoHS

Ordering Information

No. of Cores	Multi Mode	Multi Mode	Multi Mode	Single Mode	Outer Jacket	Overall Dimension (mm)	Packaging
	ClearCurve® OM3	ClearCurve® OM4	ClearCurve® OM5	SMF-28® Ultra ITU-T G.652.D			
12	CS-FOBAM3-12	CS-FOBAM4-12	CS-FOBAM5-12	CS-FOBAS2-12	PE	13.1 ±	2000M - 4000M/Reel
24	CS-FOBAM3-24	CS-FOBAM4-24	CS-FOBAM5-24	CS-FOBAS2-24	PE	13.1 ±	2000M - 4000M/Reel
48	CS-FOBAM3-48	CS-FOBAM4-48	CS-FOBAM5-48	CS-FOBAS2-48	PE	13.1 ±	2000M - 4000M/Reel
96	CS-FOBAM3-96	CS-FOBAM4-96	CS-FOBAM5-96	CS-FOBAS2-96	PE	15.5 ±	2000M - 4000M/Reel
144	CS-FOBAM3-144	CS-FOBAM4-144	CS-FOBAM5-144	CS-FOBAS2-144	PE	16.5 ±	2000M - 4000M/Reel