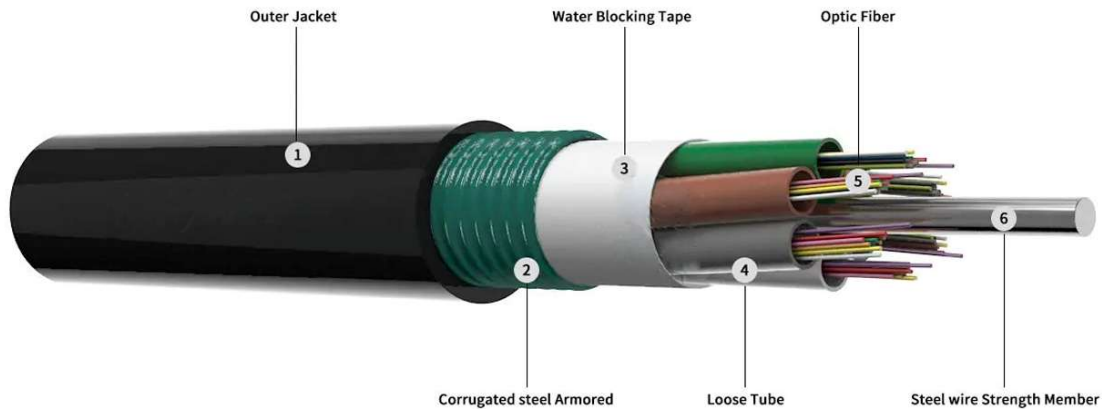


Outdoor Armored Multi Loose Tube Fiber Optic Cables



02

Features and Benefits

Applications:

- Suitable for Outdoor, Underground Direct-Burial and Duct 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:

- 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)

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: ≥ 2700 N)

Crush Resistance: ≥ 1500 N/10cm

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

Operating Temperature: -20 $^{\circ}$ C to +70 $^{\circ}$ 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 Dia (mm)	Packaging
	ClearCurve® OM3	ClearCurve® OM4	ClearCurve® OM5	SMF-28® Ultra ITU-T G.652.D			
12	CS-FODAM3-12	CS-FODAM4-12	CS-FODAM5-12	CS-FODA52-12	PE	12.5 $\pm$	2000M - 4000M/Reel
24	CS-FODAM3-24	CS-FODAM4-24	CS-FODAM5-24	CS-FODA52-24	PE	12.5 $\pm$	2000M - 4000M/Reel
48	CS-FODAM3-48	CS-FODAM4-48	CS-FODAM5-48	CS-FODA52-48	PE	12.5 $\pm$	2000M - 4000M/Reel
96	CS-FODAM3-96	CS-FODAM4-96	CS-FODAM5-96	CS-FODA52-96	PE	14.1 $\pm$	2000M - 4000M/Reel
144	CS-FODAM3-144	CS-FODAM4-144	CS-FODAM5-144	CS-FODA52-144	PE	15.5 $\pm$	2000M - 4000M/Reel