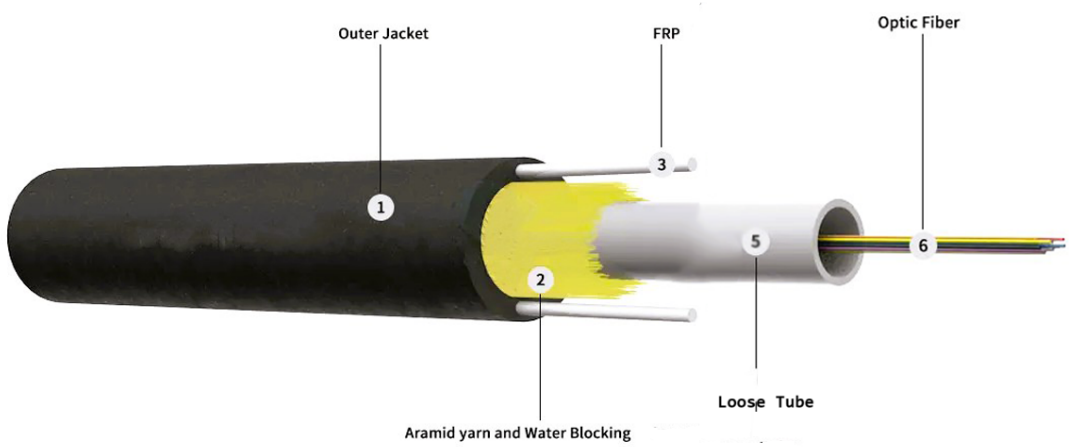
Non-Metallic Indoor/Outdoor Central Loose Tube Fiber Optic Cables



Features and Benefits

- **Applications:**
- Suitable for Indoor/ Outdoor Riser, Duct and Arial Installations.
- Telecommunication Networks and FTTH Deployments.
- Suitable for Risers, vertical shafts or conduits within a building that house essential services and systems.
- Military & Defense Communication Systems.
- Oil & Gas Pipeline Monitoring.
- Rural & Remote Area Broadband Deployment.

- **Key Features:**
- Kevlar® Yarn Reinforcement is provide High tensile strength without steel.
- Contains no metal components, making it lightweight and immune to electromagnetic interference (EMI)
- Water-Blocking Gel or Dry Water-Swellable Tapes ensure long-term moisture resistance.

Physical Specifications

- **Structure:**

Core: Central Loose tube design (02-12 fibers)

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

Loose Tubes: PBT outer Dia. 3.0mm , gel-filled (2~12 fibers/tube).

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

Strength Member: Aramid Yarn (Kevlar®) or FRP (fiber-reinforced plastic)

Armor: Kevlar® Yarn Reinforcement – High tensile strength without steel.

Outer Sheath: UV-resistant PE (Polyethylene) or LSZH (optional)

- **Mechanical & Environmental Specs**:

Tensile Strength: (Long-term ≥300 N **/Short-term:** ≥600 N**)**

Crush Resistance: ≥ 1000 N/10cm

Bending Radius (Static/Dynamic): 20× / 10× cable diameter

Operating Temperature: -20°C to +70°C

Water Resistance: IEC 60794-1-2-F5 Gel-filled or dry water-blocking yarn/tape.

Standard Compliances

- **International Standards:** IEC 60794, ITU-T ITU-T G.652/G.657 ANSI/TIA-568.
- **IEC 60332-1,2** (LSZH version complies),
- **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			
02	CS-FOSNMM3-02	CS-FOSNMM4-02	CS-FOSNMM5-02	CS-FOSNM52-02	PE/LSZH	8.1 ±	2000M - 4000M/Reel
04	CS-FOSNMM3-04	CS-FOSNMM4-04	CS-FOSNMM5-04	CS-FOSNM52-04	PE/LSZH	8.1 ±	2000M - 4000M/Reel
06	CS-FOSNMM3-06	CS-FOSNMM4-06	CS-FOSNMM5-06	CS-FOSNM52-06	PE/LSZH	8.1 ±	2000M - 4000M/Reel
08	CS-FOSNMM3-08	CS-FOSNMM4-08	CS-FOSNMM5-08	CS-FOSNM52-08	PE/LSZH	8.1 ±	2000M - 4000M/Reel
12	CS-FOSNMM3-12	CS-FOSNMM4-12	CS-FOSNMM5-12	CS-FOSNM52-12	PE/LSZH	8.1 ±	2000M - 4000M/Reel