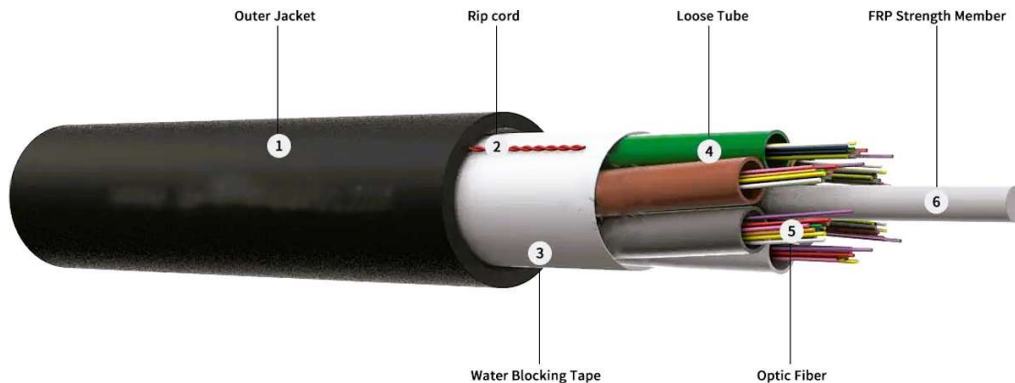


Non-Metallic Indoor/Outdoor Multi-Loose Tube Fiber Optic Cables



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Features and Benefits

Applications:

- Suitable for Indoor/ Outdoor Riser, Duct and Aerial Installations.
- Telecommunication Networks and FTTH Deployments.
- Datacenter Network Installations.
- 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:

- Excellent ultraviolet prevention with PE sheath, excellent crush resistance and flexibility
- Contains no metal components, making it lightweight and immune to electromagnetic interference (EMI)
- Reduces the risk of lightning strikes compared to metallic cables.
- 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)

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

Mechanical & Environmental Specs:

Tensile Strength: (Long-term ≥ 600 N /Short-term: ≥ 1500 N)

Crush Resistance: ≥ 1000 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).
- 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			
12	CS-FODUMM3-12	CS-FODUMM4-12	CS-FODUMM5-12	CS-FODUM52-12	PE/LSZH	11.1 ±	2000M - 4000M/Reel
24	CS-FODUMM3-24	CS-FODUMM4-24	CS-FODUMM5-24	CS-FODUM52-24	PE/LSZH	11.1 ±	2000M - 4000M/Reel
48	CS-FODUMM3-48	CS-FODUMM4-48	CS-FODUMM5-48	CS-FODUM52-48	PE/LSZH	11.1 ±	2000M - 4000M/Reel
96	CS-FODUMM3-96	CS-FODUMM4-96	CS-FODUMM5-96	CS-FODUM52-96	PE/LSZH	12.5 ±	2000M - 4000M/Reel
144	CS-FODUMM3-144	CS-FODUMM4-144	CS-FODUMM5-144	CS-FODUM52-144	PE/LSZH	13.2 ±	2000M - 4000M/Reel