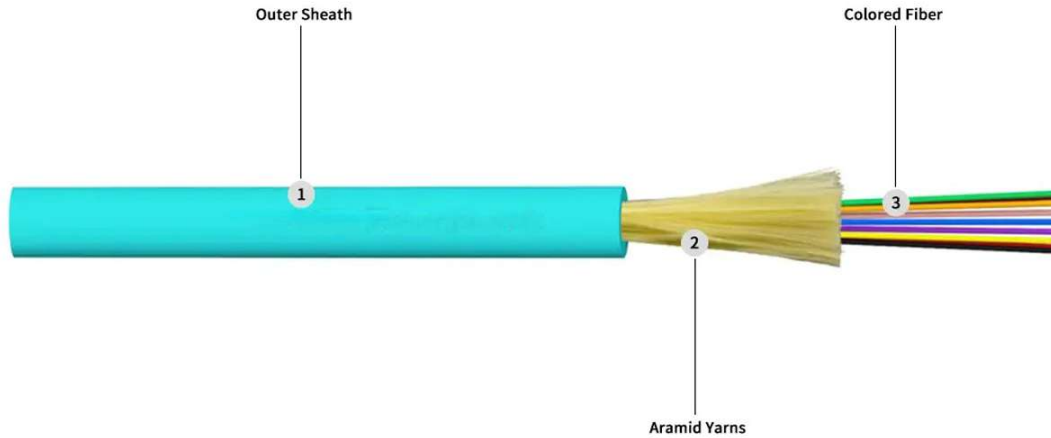


Indoor Multi Purpose Distribution Fiber Optic Cables



07

Features and Benefits

Applications:

- Indoor cabling (horizontal & vertical distribution)
- Data centers (rack-to-rack, server connections)
- FTTH (Fiber to the Home) indoor wiring
- LAN/WAN Structured Cabling (office buildings, campuses)
- Security & CCTV Systems (direct plug-and-play installation)
- Industrial Networks (factory automation, robotics)

Key Features:

- Easy Termination – Each fiber is tightly buffered (900µm) for direct connectorization (no fan-out kits needed).
- High Flexibility – Ideal for tight spaces, patch panels, and indoor routing.
- Non-Metallic (Optional) – Kevlar® reinforcement avoids grounding issues.
- Color-Coded Fibers – Standard TIA-598 color coding for easy identification.

Physical Specifications

Structure:

Core: Tight-buffered (900 µm diameter) (2-12 fibers)

Fiber Type: Single-mode (G.652.D/G.657.A1)/Multimode (OM3/OM4/OM5)

Strength Member: Aramid yarn (Kevlar®) for tensile strength.

Armor: Aramid yarn (Kevlar®)

Outer Sheath: LSZH / (Flame-Retardant, UV-Resistant) LSFRZH

Mechanical & Environmental Specs:

Tensile Strength: (Long-term ≥ 100 N /Short-term: ≥ 600 N)

Crush Resistance: ≥ 1000 N/10cm

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

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

Standard Compliances

- International Standards:** IEC 60794, ITU-T ITU-T G.652/G.657 ANSI/TIA-568.
- IEC 60332-1,2** (LSZH version complies), **IEC 60332-3-24/25**, (LSFRZH 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			
04	CS-FOTBDINM3-04	CS-FOTBDINM4-04	CS-FOTBDINM5-04	CS-FOTBDIN52-04	LSZH/LSFRZH	4.2 ±	2000M - 4000M/Reel
06	CS-FOTBDINM3-06	CS-FOTBDINM4-06	CS-FOTBDINM5-06	CS-FOTBDIN52-06	LSZH/LSFRZH	5.2 ±	2000M - 4000M/Reel
08	CS-FOTBDINM3-08	CS-FOTBDINM4-08	CS-FOTBDINM5-08	CS-FOTBDIN52-08	LSZH/LSFRZH	5.5 ±	2000M - 4000M/Reel
12	CS-FOTBDINM3-12	CS-FOTBDINM4-12	CS-FOTBDINM5-12	CS-FOTBDIN52-12	LSZH/LSFRZH	6.5 ±	2000M - 4000M/Reel