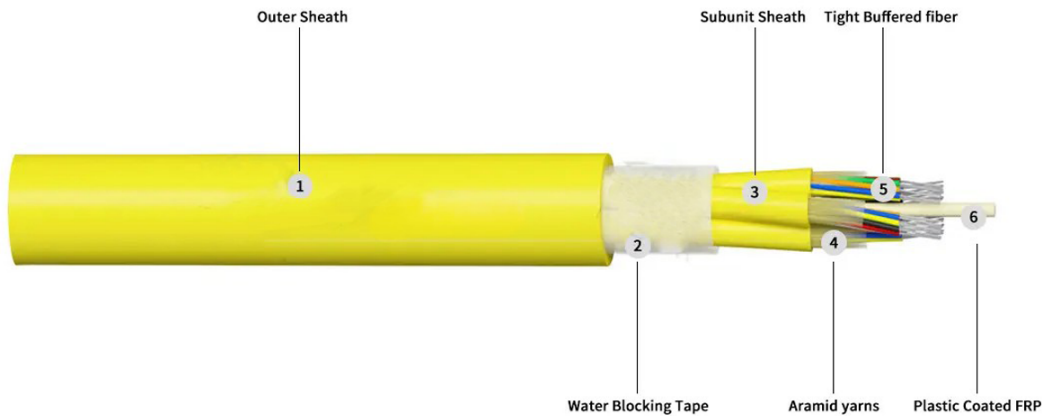


Indoor Multi Purpose Break-out Fiber Optic Cables



06

Features and Benefits

Applications:

- Data Centers (rack-to-rack, server connections)
- LAN/WAN Structured Cabling (office buildings, campuses)
- Security & CCTV Systems (direct plug-and-play installation)
- Industrial Networks (factory automation, robotics)
- Medical & Military Systems (high-reliability environments)

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.
- Indoor/Outdoor Versions – PVC (indoor), PE/LSZH (outdoor/harsh environments).
- Color-Coded Fibers – Standard TIA-598 color coding for easy identification.

Physical Specifications

Structure:

Core: Tight-buffered (900 µm diameter) (12-144 fibers)

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

Loose Buffer Tubes: LSZH Dia. 5.2 ± mm (2~48 fibers/Sub-unit).

Water Resistance: water-blocking tape

Strength Member: FRP (Fiber-Reinforced Plastic)

Armor: Aramid yarn (Kevlar®).

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

Mechanical & Environmental Specs:

Tensile Strength: (Long-term ≥500 N /Short-term: ≥1500 N)

Crush Resistance: ≥ 1000 N/10cm

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

Operating Temperature: -20°C to +70°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			
12	CS-FOTBINM3-12	CS-FOTBINM4-12	CS-FOTBINM5-12	CS-FOTBIN52-12	LSZH/LSFRZH	13.8± ±	2000M - 4000M/Reel
24	CS-FOTBINM3-24	CS-FOTBINM4-24	CS-FOTBINM5-24	CS-FOTBIN52-24	LSZH/LSFRZH	13.8± ±	2000M - 4000M/Reel
48	CS-FOTBINM3-48	CS-FOTBINM4-48	CS-FOTBINM5-48	CS-FOTBIN52-48	LSZH/LSFRZH	16.0 ±	2000M - 4000M/Reel
96	CS-FOTBINM3-96	CS-FOTBINM4-96	CS-FOTBINM5-96	CS-FOTBIN52-96	LSZH/LSFRZH	22.0 ±	2000M - 4000M/Reel
144	CS-FOTBINM3-144	CS-FOTBINM4-144	CS-FOTBINM5-144	CS-FOTBIN52-144	LSZH/LSFRZH	31.0 ±	2000M - 4000M/Reel