

ARMORED PATCH CABLES DATASHEET



Indoor Armored Fiber Patch Cables

Armored fiber optic cable with build-in metal armor can provide stronger protection of the optical fibers than standards fiber optic cables. The rugged armored cables allow optical fiber to be installed in the most hazardous areas, including environments with slight dust, oil, gas, moisture, or even damage-causing rodents.

Standards Compliance

- ISO9001 Compliant
- RoHS Compliant

Features

- Helical Steel Armor Provides Additional Crush and Rodent Protection
- Routing Indoor Including Data Center Racks, Raised Floors and Runs Between Floors
- Eliminate the Need for Conduits to Improve Design Flexibility and Lower Installed Costs
- G.657.A1 Bend Insensitive Fiber & 10/5D (Dynamic/Static) Min. Bend Radius
- Precision Zirconia Ferrule Connectors Ensure Consistent Loss
- Pull-proof Jacket with Max. 225N Tensile Strength

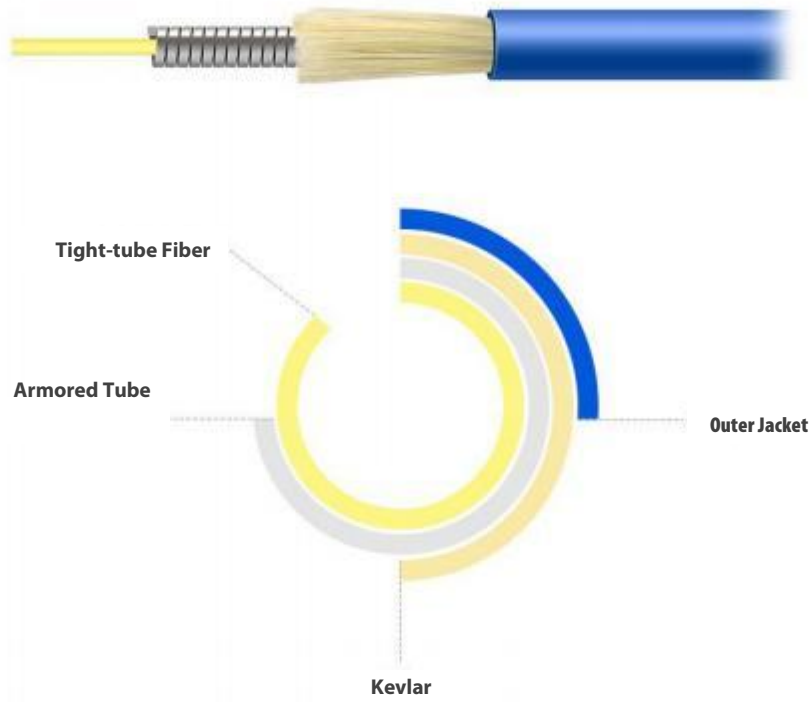
Technical Specification

Physical Characteristics	Description
Fiber Count	Simplex / Duplex / 12 Fibers
Fiber Mode	OS2 / OM4 / OM3 / OM2 / OM1
Fiber Grade	OS2: G.657.A1 OM4/OM3/OM2: Bend Insensitive; OM1: G.651
Connector A	LC / SC / ST / FC / LSH
Connector B	LC / SC / ST / FC / LSH
Polish Type	SMF: UPC/APC MMF: UPC
Cable Jacket	Riser (OFCR-Optical Fiber Conductive Riser) / LSZH / Plenum (OFNP)
Jacket Color	OS2: Blue / Yellow OM4/OM3: Aqua / Magenta OM2/OM1: Gray
Cable Diameter (mm)	3.0
Minimum Bend Radius (mm)	SMF: 10/5D (Dynamic/Static) MMF: 20/10D (Dynamic/Static)

Optical Characteristics	Description
Insertion Loss (dB)	≤0.3
Return Loss (dB)	SMF: UPC≥50, APC≥60 (LC/SC/ST/FC) UPC≥55, APC≥75 (LSH) MMF: UPC≥30 (LC/SC/ST/FC/LSH)
Wavelength (nm)	SMF: 1310/1550 MMF: 850/1300
Tensile Loads (N)	120N (Long Term)/225N (Short Term); 200N (Long Term)/400N (Short Term) (MTP Armored)
Operating Temperature	-25 to 70°C (-13 to 158 ℉)
Storage Temperature	-25 to 70°C (-13 to 158 ℉)

Cable Structure

Armored fiber patch cables feature a specialized jacketing that increases the durability of fiber cables. In addition, the stainless steel tube allow optical fiber to be installed in the indoor harsh environments where a traditional fiber optic patch cable may fail, such as environments with excessive dust, or even damage-causing rodents etc.



* The cable structure is shown above for reference with single mode, and the multimode cable will only be different in jacket color.