



## 2 m ST to SC UPC Fiber Optic Patch Cable, 3.0 mm, Duplex, LSZH, OM3 Multimode, Aqua

50/125  $\mu\text{m}$ , 7 ft.

Part No.: 751438

EAN-13: 0766623751438 | UPC: 766623751438

**Superior Transmission Distance:** Optical fiber systems are capable of transmitting signals over long distances without significant loss of signal strength. Unlike traditional copper wire systems, which degrade over long distances due to resistance and other factors, fiber optics can maintain signal integrity over distances exceeding 100 kilometers (about 62 miles). This feature makes fiber optics particularly advantageous for telecommunications networks spanning large geographical areas, such as transoceanic cables or national broadband infrastructures.

**Enhanced Security:** Fiber optic cables offer a high level of security for transmitting sensitive data. Unlike traditional copper cables, which emit electromagnetic signals that can be intercepted and monitored remotely, fiber optics transmit data using light pulses through glass or plastic fibers. These signals are extremely difficult to intercept without physically accessing the fiber itself. This inherent security feature makes fiber optic communication highly attractive to entities with stringent security requirements, such as governmental agencies, financial institutions, and businesses dealing with sensitive information.

**No Metallic Components:** Fiber optic cables are entirely made of glass or plastic fibers, with no metallic components involved in the transmission process. This characteristic renders fiber optics immune to electromagnetic interference (EMI) caused by nearby electrical sources or high-voltage power lines. As a result, fiber optic cables can be safely installed in environments prone to EMI, including areas near utility lines, power-carrying infrastructure, and railroad tracks. Additionally, fiber optics are highly resistant to lightning strikes, making them a preferred choice for deployment in regions with high

incidences of lightning activity. This non-conductive nature of fiber optics enhances their reliability and safety in diverse operating environments, ensuring uninterrupted communication even in challenging conditions.

### Features:

- Compatible with multimode fiber applications
- High bandwidth supporting longer distances
- Cost-effective solution
- Perfect for use in Gigabit Ethernet applications
- LSZH
- Lifetime Warranty

### Specifications:

- Diameters:
  - Core: 50  $\mu\text{m}$
  - Cladding: 125  $\mu\text{m}$
- Fiber type: multimode
- Connectors: ST to SC
- Duplex
- Jacket material: LSZH
- Jacket OD: 3.0 mm
- Jacket color: aqua



