

# TxRx Assemblies

The TxRx Harsh Environment Interconnect system is designed to provide connection of an outdoor LC duplex-based sealed connector directly to a board mounted SFP or RJ45 device within a sealed enclosure.

The system is designed to provide IP67 dust and water protection when connector and receptacle are mated or with dust caps installed.

Plug cap includes integrated pulling eye for easy installation.

Amphenol's TxRX assemblies are exceptionally suited for WiMax, LTE, wireless, wireless backhaul and base station applications.



## Features and Benefits

- Common housing for Optical or RJ45 connectivity
- Direct connect to active device (SFP, SFP+, RJ)
- No internal jumper needed
- Provides ample float for proper alignment to active device
- Factory terminated assemblies provide reliable performance
- Available with Singlemode or Multimode fiber or Category 3, 4, 5, 5E or 6
- Bayonet style coupling

## Specifications

- Multimode IL:
  - ≤0.35dB Typical
  - <0.50dB Max.
- Singlemode IL:
  - ≤0.35dB Typical
  - <0.50dB Max.
- Return Loss:
  - ≤-45dB
- Operating Temperature:
  - 40° to 85°C
- Durability:
  - >50 mating cycles

## Applications

FTTA

Outdoor Areas

## Industry Compliance

Connectors are mechanically and optically intermateable with industry standard connectors and adapters and conform to TIA/EIA, IEC, and Telcordia specifications

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## Ordering Information

Part Number	Description
957-99001-10001	JUMPER, TXRX OPTICAL TO LC(D), SM, 1M
957-99002-10001	PIGTAIL, TXRX OPTICAL TO LC(D), SM, 1M
957-99018-10001	TXRX OPTICAL TO LC(D), OM3, 1M

\*Please call customer service for additional configurations

