



Amphenol

FIBER OPTIC PRODUCTS

J-CONNECTOR

SEALED OSP HOUSING



Product Spotlight
September 21st, 2017





J-Connector

Sealed OSP Housing

The Amphenol optical J-connector housing is designed for optical connectivity to outdoor installed electronics. Using a 'Direct Connect' topology, the J-Connector accepts either SFP or SFP+ pluggable transceivers, effectively transforming the passive optical assembly into an active, electrical interface. This connection method allows quick and easy replacement of the optics and allows re-configuration for upgrades.

The field installable version can be installed over an existing outdoor simplex or duplex LC assembly for applications requiring on-site or local assembly manufacturing. The J-Connector optical bulkhead receptacle is designed to accept any MSA compliant SFP or SFP+ transceiver, providing both an IP67 grade water and dust ingress protection as well as grounding to the panel/cage for improved EMI shielding.



Benefits

Allows flexibility to use factory terminated assemblies or field installed assemblies.

Provides superior weather resistance for harsh outdoor applications

Pass-thru design suitable with LC connectors

Easily installs without special tooling

Easy and secure bayonet style coupling

Provides bend protection for installation and long term use

Accepts any MSA compliant SFP or SFP+ transceiver

Bayonet style coupling

Features

Factory or field terminated

IP67 water and dust protection

Two fiber, LC-based connector

Bird proof and rodent resistant

100 minimum mating cycles

Operating temperature: -40° to 85°C

Cable Diameter Range: 4.8mm to 7mm

33 lb. axial cable retention (150N)

Flexible cable exit boot

Factory Terminated



Field Installable



Parameter

Specification

Pull Force: 150N (33 Pounds)

IEC 61300-2-4

Vibration

IEC 61300-2-1

Salt Mist

IEC 61300-2-26

Impact

IEC 61300-2-12

Temperature

IEC 61300-2-22

Humidity

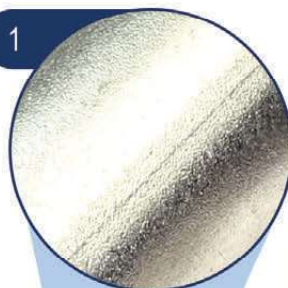
IEC 61300-2-22

1. Diecast body
2. Bayonet-style mating
3. IP67 sealed connection
4. LC based housing

Receptacles



1



2



3



4



Commitment to Quality

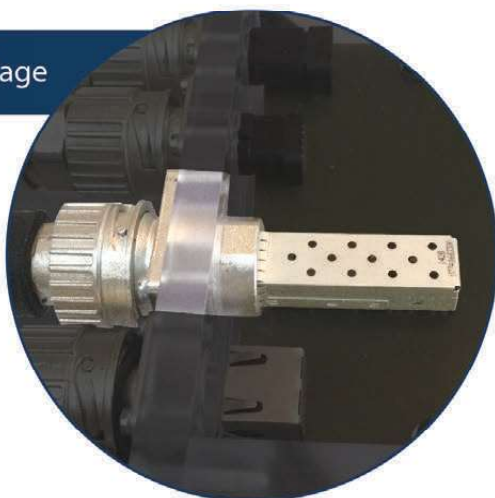
SFP and SFP+ Applications

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J-Conn w/ SFP Cage

J-Conn Mated w/ SFP Cage



LONG CAP

Provides Protection for
J-Connector w/ SFP Cage



SHORT CAP

Provides Protection for
Standard LC-style J-Connector



Applications

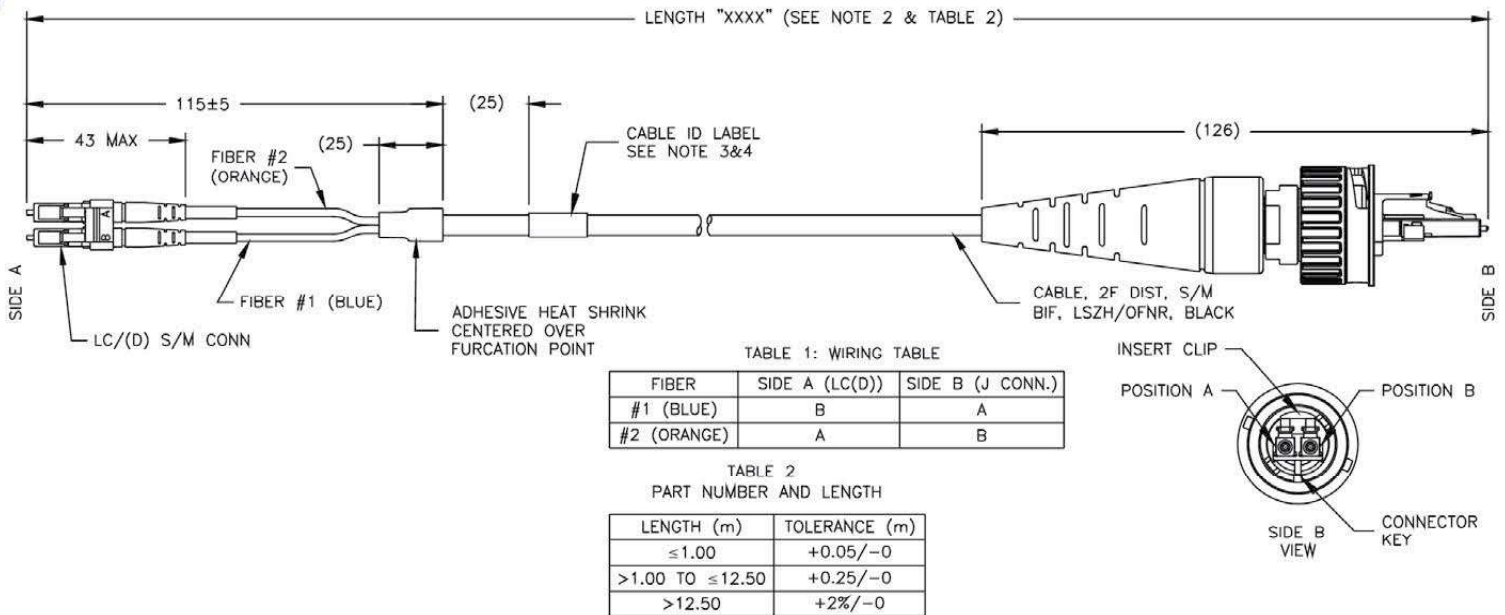
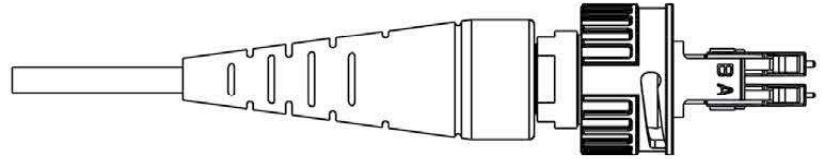
FTTA Small Cells
Outdoor Areas Wireless
Harsh Environment

Industry Compliance

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

RoHS compliant

J-CONNECTOR Factory Terminated



Duplex Insert



Simplex Insert

