

IP-FX

Sealed OSP Housing

The Amphenol IP-FX is a compact, sealed, outdoor feedthru housing that is designed to provide dust and water protection for assemblies mating to outdoor enclosures and transmission equipment. The IP-FX is suitable to protect several connector types including LC Duplex, RJ45, USB, and others.

The unique design of the IP-FX housing allows it to be supplied on factory terminated (tested cables) or field installed over existing cables such as LC Duplex or RJ45, making it an ideal solution for conversion from legacy systems to newer transmission equipment. IP-FX housing mates to equipment or enclosures that are pre-fitted with the FullAXS-style receptacle, providing a water and dust sealed interface when mated. Applications include connection to Remote Radio Units (RRU/RRH), FTTA equipment and other outdoor systems.



Housing w/ Cap

Benefits

Allows flexibility to use factory terminated assemblies, pre-terminated or field installed assemblies.

Provides superior weather resistance for harsh outdoor applications

Pass-thru design suitable with various industry standard connector and cable types

Easily installs without special tooling

Bayonet style coupling

Provides bend protection for installation and long term use

One handed mating-no torque requirements for proper sealing

Features

Two fiber, LC-based connector

Bird proof and rodent resistant

IP67 water and dust protection

Factory or field terminated

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

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

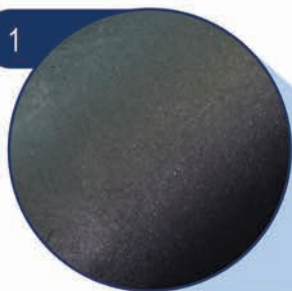
Applications

FTTA	Small Cells
Outdoor Areas	Wireless
Harsh Environment	



Rear Seal

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



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Pulling Eye



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1. PBT plastic with glass fibers for reinforcement
2. IP-67 sealed connection
3. Bayonet-style mating
4. LC connector inside housing
5. Bend protection



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