ABOUT US

WCFO is an industrial provider for optical fiber products and solutions of Telecom/Datacom. We provide the worldwide market with Easy/Green access optical fiber solutions, products and services.

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PUSHPULL LC DUPLEX WATERPROOF PATCH CORD

Applications
- Telecommunication
- FTTA
- Network
- Broadband

Regulatory and compliance standards
- Waterproof connector according to IEC 61076-3-106 variant 4
- LC according to IEC 61754-20
- A & B parts identification for Duplex according to TIA 568 standard
- All parts comply w/ RoHS 2.0 / REACH

IP PLUS WATERPROOF PATCH CORD

Applications
- Telecommunication
- FTTA
- Network
- Broadband

Regulatory and compliance standards
- Intermateable to other Industrial LC adaptor per IEC 60603-7
- All parts comply w/ RoHS 2.0 / REACH
**Overview**

Push Pull LC Duplex Waterproof Patch cord employs a ruggedized cable and connector system for harsh environmental applications. The protection rating of the waterproof connector is IP65/IP67. The ruggedized connector system prevents the ingress of dust completely and can withstand up to 1 meter of water pressure without water ingress. Cable assemblies can be ordered to specific lengths according to customer’s requirements.

**Features**

- Easy push-pull installation
- The waterproof connector is available in metal and plastic versions
- Compact, space-saving design includes device integration
# Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>SM</th>
<th>MM</th>
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</thead>
<tbody>
<tr>
<td>Polishing Type</td>
<td>PC</td>
<td>UPC</td>
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<tr>
<td>Insertion Loss</td>
<td>≤0.3dB</td>
<td>Customize</td>
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<tr>
<td>Return Loss</td>
<td>≤-45dB</td>
<td>≤-50dB</td>
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<tr>
<td>Mating cycles</td>
<td>≥200</td>
<td>Customize</td>
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<tr>
<td>Protection rating</td>
<td>IP65 / IP67</td>
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<tr>
<td>Cable diameter</td>
<td>4.9~8.6mm</td>
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<tr>
<td>Operating Temperature</td>
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<tr>
<td>Storage Temperature</td>
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![PLASTIC HOUSING](image)

- **PushPull LC Duplex Connector (Plastic housing)**
Waterproof cables - FTTA solutions

- PushPull LC Duplex Connector (Metal housing)

- PushPull LC Duplex Connector (Security Lock)

Persistently Quality Assurance and Excellent in Fiber Connectivity
- Design
- Manufacture
- Service
- Innovation
PushPull LC Duplex Adapter (Metal housing)

PushPull LC Duplex Waterproof Patch cord
Overview

WCFO’s IP Plus Waterproof Patch cords are designed to be used in the outdoor environment and provide many years of reliable service. The connector incorporates a bayonet system which enables quick and reliable installation even when engineers are wearing gloves. The IP Plus with its secondary lockable ring provides extra security and reduces the opportunity for tampering. The connector type can be LC, SC, or MPO, and the length of cable can be specified.
Waterproof cables - FTTH solutions

Features

- IP Plus connectors exceed ODVA requirements
- The connectors meet IP67 environmental sealing ratings
- Simple bayonet locking system
- Simple assembly requiring no special tools
- 100LBS Superior pull force

Specifications

<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>IP-LC</th>
<th>IP-SC</th>
<th>IP-MPO Low Loss</th>
<th>IP-MPO</th>
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<tbody>
<tr>
<td></td>
<td>SM</td>
<td>MM</td>
<td>SM (Low Loss)</td>
<td>SM</td>
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<tr>
<td>Max. Insertion Loss (MAX)</td>
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<td>0.3dB</td>
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<td>Return Loss</td>
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<td>Durability</td>
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<td>50 Matings</td>
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<td>Operating Temperatures</td>
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<td>-40°~+75°</td>
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<td>IP Ratings</td>
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<td>IP-68</td>
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<td>Pull Force</td>
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<td>100 lbs</td>
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<tr>
<td>Material</td>
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<td>UV Resistant</td>
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Dimensions

- IP-LC Connector
Waterproof cables - FTTA solutions

**Dimensions**

- **IP-SC Connector**
- **IP-MPO Bulkhead Adapter**
- **IP-MPO In Line Adapter**
- **Panel cut-out**
- **Waterproof Patch cord**