XPRESS ULTRA™ FIBER CONNECTOR PRODUCT GUIDE

- CLEANING & INSPECTION
- TESTING AND TROUBLESHOOTING
- XPRESS ULTRA FIBER CONNECTORS
- INSTALLATION KITS
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## KITS
- Xpress Ultra™ Field Installation Kit  
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The OCC Xpress Ultra™ Field Installable Connector is a pre-polished, pre-assembled connector that uses index matching gel. An internal mechanical grip gently, but effectively, holds the fiber in place and can be installed in under 2 minutes. Without polishing or adhesives, the OCC Xpress Ultra™ Field Installable Connector makes on-site installations quick and easy, diminishing the need for epoxy curing and hand polishing at the worksite.

Quick and easy solutions to troubleshoot and test your fiber optic network.

Introducing the new cleaners for MPO, SC, and LC optical connectors. Expanding its lineup of optical cleaners, OCC is able to respond to an even wider range of its customers needs.

The Xpress Ultra™ Installation Kit contains everything needed for installation of SC and LC Xpress Ultra™ PLUS connectors. No epoxy, polishing film, or other consumables are required, and there is no need for electrical power, allowing installers to get in and out of installation sites quickly.

FOR MORE DETAILS ABOUT THIS SOLUTION, PLEASE CONTACT YOUR OCC SALES REPRESENTATIVE.

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The OCC Xpress Ultra™ Fiber Connector is a pre-polished, preassembled connector compatible with standard SC and LC connectors. No epoxy is required as an internal mechanical grip effectively holds the fiber in place and can be installed in under 2 minutes. Without polishing or adhesives, the Xpress Ultra™ makes on-site installations quick and easy, diminishing the need for epoxy curing and hand polishing at the work site. The Xpress Ultra™ comes with an assembly jig and fiber holder for 250μm and 900μm tight buffered fiber, ensuring accurate alignment and fiber cleave when terminating.

**FEATURES**
- Mechanical Splice (index matching gel)
- Highly Stable & Reliable
- Perfect Performance
- Compact Package
- RoHS Compliant
- Finished Connector meets UL94-V0 Flammability Rated
- TIA/EIA 568-C.3 Compliant

**SPECIFICATION**

<table>
<thead>
<tr>
<th>SPECIFICATION</th>
<th>SINGLEMODE</th>
<th>MULTIMODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Xpress Ultra SC</td>
<td>TYPICAL</td>
<td></td>
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<tr>
<td>Insertion Loss</td>
<td>0.2dB (PC) and 0.3dB (APC)</td>
<td>0.1dB</td>
</tr>
<tr>
<td>Return Loss</td>
<td>55dB (PC), 60dB (APC)</td>
<td>35dB</td>
</tr>
<tr>
<td>Durability</td>
<td>&lt;0.1dB change, 500 matings</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°C to +75°C</td>
<td></td>
</tr>
<tr>
<td>Tensile</td>
<td>TIA/EIA 568-B.3</td>
<td></td>
</tr>
<tr>
<td>Intermateability</td>
<td>IEC 61754-4</td>
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</tr>
</tbody>
</table>

**Note:** Specifications shown above were obtained using OCC recommended products and procedures. Bulk packaging available upon request.

**PART NUMBER SC**

<table>
<thead>
<tr>
<th>PART NUMBER SC</th>
<th>DESCRIPTION</th>
<th>HOUSING</th>
<th>BOOT COLOR</th>
</tr>
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<tbody>
<tr>
<td>RFC-SC6</td>
<td>Fiber Conn, Pre-Polished, SC, 62.5, 250/900</td>
<td>Beige</td>
<td>White</td>
</tr>
<tr>
<td>RFC-SC8</td>
<td>Fiber Conn, Pre-Polished, SC, 5M, 250/900</td>
<td>Blue</td>
<td>White</td>
</tr>
<tr>
<td>RFC-SCAPC</td>
<td>Fiber Conn, Pre-Polished, SC, APC, 250/900</td>
<td>Green</td>
<td>White</td>
</tr>
<tr>
<td>RFC-SC6-2/3MM</td>
<td>Fiber Conn, Pre-Polished, SC, 62.5, 2/3mm</td>
<td>Beige</td>
<td>White</td>
</tr>
<tr>
<td>RFC-SC5G-2/3MM</td>
<td>Fiber Conn, Pre-Polished, SC, OM3/OM4, 2/3mm</td>
<td>Aqua</td>
<td>White</td>
</tr>
<tr>
<td>RFC-SC8-2/3MM</td>
<td>Fiber Conn, Pre-Polished, SC, 5M, 2/3mm</td>
<td>Blue</td>
<td>White</td>
</tr>
<tr>
<td>RFC-SC8-2/3MM</td>
<td>Fiber Conn, Pre-Polished, SC, APC, 2/3mm</td>
<td>Green</td>
<td>White</td>
</tr>
</tbody>
</table>

* 2mm and 3mm options coming soon. Contact your OCC Sales Representative at 1-800-622-7711 for ordering information.
XPRESS ULTRA™ FIBER CONNECTORS

XPRESS ULTRA™ FIBER LC CONNECTOR

<table>
<thead>
<tr>
<th>SPECIFICATION</th>
<th>SINGLEMODE</th>
<th>MULTIMODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Xpress Ultra LC</td>
<td>TYPICAL</td>
<td></td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>0.2dB (PC) and 0.3dB (APC)</td>
<td>0.1dB</td>
</tr>
<tr>
<td>Return Loss</td>
<td>55dB (PC), 60dB (APC)</td>
<td>35dB</td>
</tr>
<tr>
<td>Durability</td>
<td>&lt;0.1dB change, 500 matings</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°C to +75°C</td>
<td></td>
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<tr>
<td>Tensile</td>
<td>TIA/EIA 568-B.3</td>
<td></td>
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<tr>
<td>Intermateability</td>
<td>IEC 61754-4</td>
<td></td>
</tr>
</tbody>
</table>

Note: Specifications shown above were obtained using OCC recommended products and procedures. Bulk packaging available upon request.

FEATURES
- Mechanical Splice (index matching gel)
- Highly Stable & Reliable
- Perfect Performance
- Compact Package
- RoHS Compliant
- Finished Connector meets UL94-V0 Flammability Rated

PART NUMBER LC | DESCRIPTION | HOUSING | BOOT COLOR |
--- | --- | --- | --- |
RFC-LC6 | Fiber Conn, Pre-Polished, LC, 62.5, 250/900 | Beige | White |
RFC-LC5G | Fiber Conn, Pre-Polished, LC, OM3/OM4, 250/900 | Aqua | White |
RFC-LC8 | Fiber Conn, Pre-Polished, LC, SM, 250/900 | Blue | White |
RFC-LC APC | Fiber Conn, Pre-Polished, LC, APC, 250/900 | Green | White |
RFC-LC6-2/3MM | Fiber Conn, Pre-Polished, LC, 62.5, 2/3mm | Beige | White |
RFC-LC5G-2/3MM | Fiber Conn, Pre-Polished, LC, OM3/OM4, 2/3mm | Aqua | White |
RFC-LC8-2/3MM | Fiber Conn, Pre-Polished, LC, SM, 2/3mm | Blue | White |
RFC-LC APC-2/3MM | Fiber Conn, Pre-Polished, LC, APC, 2/3mm | Green | White |
The Xpress Ultra™ Installation Kit contains everything needed for installation of SC and LC Xpress Ultra™ PLUS connectors. No epoxy, polishing film, or other consumables are required, and there is no need for electrical power, allowing installers to get in and out of installation sites quickly.

**FEATURES**

- Fast installation to minimize on-site labor costs
- Compatible with conventional LC & SC connectors and adaptors
- Easy operation
- Quick assembly in under 2 minutes
- No adhesive or polishing required
- Compact tool without electric power

**EASY INSTALLATION IN UNDER 2 MINUTES**
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WHAT DO THE STANDARDS SAY?
The test procedures specified by 568-C require tools and procedures for ensuring connector quality.

• End faces on cords and trunks shall be in accordance to IEC 61000-3-35.
• Use a microscope that is compatible with IEC 61300-3-35.
• The microscope must use adapters that are compatible with connectors.

WHAT IS IEC 61300-3-35?
• A set of requirements for Fiber Optic connector quality.
• Designed to guarantee insertion loss and return loss performance
• Used as reference between supplier and customer
• Used as condition for accurate testing of components and links.

GENERAL ACCEPTANCE CRITERIA
Separate criteria for different connector types and performance.

• SM-UPC IL <= 0.30dB/RL>55dB
• SM-APC IL <=0.35dB/RL>65dB
• MM-PC IL <0.35dB
• Multi Fiber SM IL <0.50dB/RL>60dB
• Multi Fiber MM IL <0.50dB

Contamination of the ferrule endface

Poor polishing of the ferrule
Mistakes in attaching labels to the cable
Damage to the optical connector
Damage on the ferrule endface
Defective splicing
Excessive bending for the cable

In a recent study, 98% of installers and 80% of network owners reported that issues with connector contamination was the greatest cause of network failure.
Source of data NTT

EXAMPLE OF FIBER ENDFACES AND RESPECTIVE ZONES

SINGLE MODE UPC

<table>
<thead>
<tr>
<th>ZONE NAME</th>
<th>SCRATCHES</th>
<th>DEFECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A CORE (0-25µm)</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>B CLADDING (25-120µm)</td>
<td>No Limit &lt;= 3µm None &gt; 3µm</td>
<td>No Limit &lt; 2µm 5 from 2-5µm None &gt; 5µm</td>
</tr>
<tr>
<td>C ADHESIVE (120-130µm)</td>
<td>No Limit</td>
<td>No Limit</td>
</tr>
<tr>
<td>D CONTACT (130-250µm)</td>
<td>No Limit</td>
<td>None &gt;= 10µm</td>
</tr>
</tbody>
</table>

MM CONNECTOR

<table>
<thead>
<tr>
<th>ZONE NAME</th>
<th>SCRATCHES</th>
<th>DEFECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A CORE (0-65µm)</td>
<td>None</td>
<td>4 &lt;= 5µm None &gt; 5µm</td>
</tr>
<tr>
<td>B CLADDING (65-120µm)</td>
<td>No Limit &lt;= 3µm None &gt; 3µm</td>
<td>No Limit &lt; 2µm 5 from 2-5µm None &gt; 5µm</td>
</tr>
<tr>
<td>C ADHESIVE (120-130µm)</td>
<td>No Limit</td>
<td>No Limit</td>
</tr>
<tr>
<td>D CONTACT (130-250µm)</td>
<td>No Limit</td>
<td>None &gt;= 10µm</td>
</tr>
</tbody>
</table>
WHAT HAPPENS IF THE OPTICAL CONNECTOR ENDFACE BECOMES CONTAMINATED?

Examples of common contaminants adhering to end face:

- Hand Lotion
- Fiber Residue
- Dirt and Dust

Optical connector must have no contamination prior to mating

What can happen when the optical end face is dirty? The beam of light may not be able to travel through the core. Optical connectors become contaminated from a variety of reasons. Usually 2 - 15 micron sized contaminants will have an impact on the signal transmission and could cause damage to the optical end face. The majority of network down time is caused by optical connector contamination.

Light beam is prevented from passing through due to contaminants on the end face, resulting in light reflection.

Troubles caused by connector end face contamination:

- Light is transmitted poorly or not at all.
- Light is reflected back to connection point*

*returning to the transmission point, causing equipment breakdown or bit errors.

WHAT CAN HAPPEN WHEN CONTAMINANTS ADHERE TO THE CORE?

Mating a clean connector to a dirty connector

When the unclean optical connector is mated, the contaminant is forced into the ferrule and may become permanently damaged. In this situation, the damage cannot be removed with an optical cleaner.

When contaminants adhere to the core, they will cause increase in signal interruption and increase amount of insertion loss and degradation of return loss. Also, these kinds of contaminants can cause chips, pits, and scratches in the connector end face under the pressure of the physical connection. Large contaminants can result in gaps in the physical connection, resulting in increased loss. These kinds of contaminants can actually spread and migrate by the physical connection.
**Xpress Ultra™ Cleaner**

For Fiber Cleaning

*for SC, FC, ST, E-2000*

---

**Features**

- Designed for all types of connectors
- Compact size for easy hand held operations
- Dry clean without the use of harmful substances
- Cleaning micro fibers are densely stranded and debris free
- Replaceable cartridge
- Constructed with anti-static material
- 750+ cleanings per unit
- Easy pushing motion engages connector and initiates cleaner
- Extendable tip reaches recessed connectors
- Cleaning system rotates 180 for a full sweep

---

The Xpress Ultra™ Cleaner is a dry cloth cleaner specifically designed to clean connections of patch cords in adapter, faceplates, and bulkheads.
Designed to especially work well with the LC/MU and SC/FC/ST/E-2000 connectors, this instrument cleans the ferrule end faces to remove dust, oil, and other debris without nicking or scratching the end face. The Xpress Ultra™ Fiber Optic Cleaner for simplex connections is a dry cloth cleaner specially designed to clean single fiber connectors. Designed as an adapter, the dust cap of the cleaner acts as an adapter for cleaning unmated connectors.

OCC’s Xpress Ultra™ Cleaner is composed of a replaceable cartridge containing the cleaning string and the retaining handle that holds it. The handle unit and the cartridge are sold as one unit, while replacement cartridges may also be purchased separately. Each pack contains three replacement cartridges (750+ cleanings for each cartridge).

### XPRESS ULTRA™ CLEANER REPLACEMENT CARTRIDGE TYPE

**ORDER CODE** | **DESCRIPTION**
--- | ---
RFCSC1 | Xpress Ultra™ Cleaner 1.25 for LC, MU
RFCSC2 | Xpress Ultra™ Cleaner 2.50 for SC, FC, ST, E-2000

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Xpress Ultra™ Cleaner 1.25</th>
<th>Xpress Ultra™ Cleaner 2.50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatible Connectors</td>
<td>MU, LC, PC and APC</td>
<td>SC, FC, ST, E-2000 PC and APC</td>
</tr>
<tr>
<td>Attachment Color</td>
<td>Brown</td>
<td>White</td>
</tr>
</tbody>
</table>

- Designed for all types of connectors
- Compact size for easy hand held operations
- Dry clean without the use of harmful substances
- Cleaning micro fibers are densely stranded and debris free
- Constructed with anti-static material
- 400+ cleanings per unit

### XPRESS ULTRA™ REPLACEMENT CARTRIDGES

**ORDER CODE** | **DESCRIPTION**
--- | ---
RFCRC1 | Xpress Ultra™ Replacement Cartridge for 1.25 (LC, MU)
RFCRC2 | Xpress Ultra™ Replacement Cartridge for 2.50 (SC, FC, ST, E-2000)

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Xpress Ultra™ Cleaner 1.25</th>
<th>Xpress Ultra™ Cleaner 2.50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatible Connectors</td>
<td>MU, LC, PC and APC</td>
<td>SC, FC, ST, E-2000 PC and APC</td>
</tr>
<tr>
<td>Attachment Color</td>
<td>Brown</td>
<td>White</td>
</tr>
</tbody>
</table>
Designed to work well with the LC/MU and SC/FC/ST/E-2000 connectors, this instrument cleans the ferrule end faces to remove dust, oil, and other debris without nicking or scratching the end face. The Xpress Ultra™ Fiber Optic Cleaner for simplex connections is a dry cloth cleaner specially designed to clean single fiber connectors. Designed as an adapter, the dust cap of the cleaner acts as an adapter for cleaning unmated connectors.

**XPRESS ULTRA™ CLEANER MINI**

- Designed for all types of simplex connectors
- Compact size for easy hand held operations
- Dry clean without the use of harmful substances
- Cleaning micro fibers are densely stranded and debris free
- Constructed with anti-static material
- 400+ cleanings per unit
- Easy pushing motion engages connector and initiates cleaner
- Extendable tip reaches recessed connectors
- Cleaning system rotates 180 for a full sweep

**ORDER CODE** | **DESCRIPTION**
--- | ---
RFCSCM1 | Xpress Ultra™ Cleaner Mini 1.25 for LC, MU
RFCSCM2 | Xpress Ultra™ Cleaner Mini 2.50 for SC, FC, ST

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Xpress Ultra™ Cleaner Mini 1.25</th>
<th>Xpress Ultra™ Cleaner Mini 2.50</th>
</tr>
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<tbody>
<tr>
<td>Compatible Connectors</td>
<td>MU, LC, PC and APC</td>
<td>SC, FC, ST, E-2000 PC and APC</td>
</tr>
<tr>
<td>Attachment Color</td>
<td>Brown</td>
<td>White</td>
</tr>
</tbody>
</table>

Designed to work with MPO connectors, this instrument cleans the ferrule end faces to remove dust, oil, and other debris without nicking or scratching the end face. The Xpress Ultra™ Cleaner for MPO is a dry cloth cleaner to clean MPO connector with “push and click” mechanism. Like the other Xpress Ultra™ Cleaner series, the cleaner the dust cap of the cleaner acts as an adapter for cleaning unmated connectors.

**XPRESS ULTRA™ CLEANER FOR MPO**

- Designed for all types of multifiber connectors
- Cleans jumper end face both male and female
- Compact size for easy hand held operations
- Dry clean without the use of harmful substances
- Cleaning micro fibers are densely stranded and debris free
- Constructed with anti-static material
- 600+ cleanings per unit
- Easy pushing motion engages connector and initiates cleaner

**ORDER CODE** | **DESCRIPTION**
--- | ---
RFCSCMPO | Xpress Ultra™ Cleaner MPO

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Xpress Ultra™ Cleaner MPO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatible Connectors</td>
<td>MPO, MTP</td>
</tr>
<tr>
<td>Compatible End Face</td>
<td>Compatible with flat and 8 degree angled endface with or without guide pins</td>
</tr>
</tbody>
</table>
The Xpress Ultra™ Cassette Cleaner wipes away contaminants from optical connector end face with ease. Just as with our previous products, the cleaning tape does not produce dust, and provides special cleaning strength while resisting foreign particles to mix into the tape. The main body also is made from anti-static material. The tape advance mechanism has been simplified, reducing the number of assembly parts to a minimum and resulting in cost reductions for both manufacturing and assembly.

- Designed for all types of connectors
- Compact size for easy hand held operations
- Dry clean without the use of harmful substances
- Cleaning micro fibers are densely stranded and debris free
- Constructed with anti-static material
- 400+ cleanings per unit

**CLEANING ACCESSORIES**

**4x4 NON-WOVEN WIPES**
Non-Woven cloth wipes can be used alone or with alcohol or solvents. Provides superior cleaning of fiber optic connector ferrules without risk of scratching or lint residue.

**LINT FREE WIPES**
These inexpensive tissues can be used dry or with several cleaning solvents to clean off ferrule end faces or prepare fibers for termination and/or splicing.

**CLEANING STICK 1.25 OR 2.50**

**FIBER OPTIC CLEANING PEN**
This precision cleaner quickly cleans the end faces of fiber optic connectors, while eliminating electrostatic charge, which can attract airborne contaminants to the end face.

**CLEANING SOLVENT**
This fast-acting cleaner can be used with dry fiber wipes or tissues to remove dirt and soil from optical fibers prior to termination and fiber optic splicing or to clean the end of connector ferrules.

**ORDER CODE** | **DESCRIPTION**
---|---
RFCCC | Xpress Ultra™ Cassette Cleaner

**SPECIFICATIONS**

| Product Name | Xpress Ultra™ Cassette Cleaner |
| Compatible Connectors | SC, MU, ST, E-2000, LC, MU, PC and APC |
| Cleanings | 400+ (tape cannot be replaced) |
| Dimensions | W 115mm x H 55mm x D 25mm |
Ensure clean connectors every time. Most common problems when installing fiber occur at the connection point. OCC’s Xpress Ultra™ Fiber Cleaning Kit contains everything you need for cleaning bare fiber, connector end faces, and adapters prior to field termination.

FEATURES

- Simple to use
- Dry cloth cleaners specifically designed to clean loose connectors as well as connectors already located in a faceplate
- Effective at removing contamminates that negatively impact your fiber optic network
- Removes dust, lint, skin oil, water residue, 70% IPA residue, vegetable oil, and much more!
Xpress Ultra™ Source is ideal for field or laboratory testing of optical communication systems at 850 nm / 1300 nm for datacom testing, 1310 nm / 1550 nm / CWDM 1270 nm ~ 1625 nm (20 nm spans) for all WDM testing, as well as 1490 nm for FTTX testing by using interchangeable SFP transceiver modules. Xpress Ultra™ Source features zero warmup time, superb productivity and has an easy-to-use, pocket-sized, rugged design. The Xpress Ultra™ Source can be changed to accommodate either SM or MM by simply switching out the SFPs. The lightweight hand held design eliminates the need to carry big and bulky test equipment.

**FEATURES**
- No pre-warmup time
- Interchangeable SFP module design for wavelength flexibility
- Excellent output wavelength stability
- Excellent re-connection repeatability
- Low Voltage Battery warning
- Compatible to LC Connectors

**ORDER CODE** | **DESCRIPTION**
--- | ---
RFCSSMF | Xpress Ultra™ Source Mainframe

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser Class</td>
<td>Class 1</td>
</tr>
<tr>
<td>Wavelength (nm)</td>
<td>Select required wavelength Xpress Ultra™ Source SFP Plug-In module and order separately</td>
</tr>
<tr>
<td>Output Power</td>
<td>1mW @ 25°C into singlemode fiber</td>
</tr>
<tr>
<td>Mode</td>
<td>CW/2 kHz Pulse</td>
</tr>
<tr>
<td>Battery Type</td>
<td>AAA 1.5V×2</td>
</tr>
<tr>
<td>Output Power Accuracy</td>
<td>+/-0.2 dB</td>
</tr>
<tr>
<td>Stability (8 Hours)</td>
<td>+/-0.05 dB</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0~ 50°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>0~ 70°C</td>
</tr>
</tbody>
</table>

**INTERCHANGEABLE MODULES**

**ORDER CODE** | **DESCRIPTION**
--- | ---
RFCSSSFP1550SM | SM Xpress Ultra™ SOURCE SFP Module 1550
RFCSSSFP1310SM | SM Xpress Ultra™ SOURCE FP SFP Module 1310
RFCSSSFP1300MM | MM Xpress Ultra™ SOURCE SFP Module 1300
RFCSSSFP850MM | MM Xpress Ultra™ SOURCE SFP Module 850 VCSEL

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser Class</td>
<td>Class 1</td>
</tr>
<tr>
<td>Wavelength (nm)</td>
<td>Select the required wavelength Xpress Ultra™ Source SFP Plug-In module and order separately</td>
</tr>
<tr>
<td>Output Power</td>
<td>1mW @ 25°C into singlemode fiber</td>
</tr>
<tr>
<td>Mode</td>
<td>CW/2 kHz Pulse</td>
</tr>
<tr>
<td>Battery Type</td>
<td>AAA 1.5V×2</td>
</tr>
<tr>
<td>Output Power Accuracy</td>
<td>+/-0.2 dB</td>
</tr>
<tr>
<td>Stability (8 Hours)</td>
<td>+/-0.05 dB</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0~ 50°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>0~ 70°C</td>
</tr>
</tbody>
</table>

Note:* Other Wavelength options such as 850, 1300, 1310, 1550, 1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1625 available upon request.
The Xpress Ultra™ Meter measures power in both 850 nm/1300 nm (Multimode) and 1310 nm ~ 1625 nm (Singlemode) respectively. The Xpress Ultra™ meter, in conjunction with the Xpress Ultra™ source is an effective, quick way to test and certify a fiber optic link. The meter comes in multimode and single mode with respective wavelengths at 850/1300 MM and 1310/1550 SM.

FEATURES

- Continuous / Pulse Mode options
- Auto Power Control circuit design to provide a stable LD output power
- Low Voltage Battery warning signal in LED
- Compatible to SC / ST / FC / LC Connectors
- Visibility to 3 Km

Refractation of the 650 nm red light caused by any breaks and or cracks in the fiber will glow red, thus giving an exact visual location of the fault in the fiber.

FEATURES

- Continuous / Pulse Mode options
- Auto Power Control circuit design to provide a stable LD output power
- Low Voltage Battery warning signal in LED
- Compatible to SC / ST / FC / LC Connectors
- Visibility to 3 Km

## Xpress Ultra™ Checker

### VISIBLE FAULT LOCATOR

- Conversion Adapter

<table>
<thead>
<tr>
<th>ORDER CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFCSCSM</td>
<td>Xpress Ultra™ 650nm Visible Fault Locator</td>
</tr>
<tr>
<td>RFCSCADAPT</td>
<td>Xpress Ultra™ 2.5 / 1.25 Adapter for RFCSCSM</td>
</tr>
<tr>
<td>RFCLCB</td>
<td>Xpress Ultra™ Launch cable set</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

- **Laser Class**: Class 2M
- **Wavelength**: 650 nm +/-10 nm@ 25
- **Spectral Width**: < 10.7nm
- **Output Power**: >0.5 mW@ 25 into singlemode fiber
- **Mode**: CW/ Pulse
- **Battery Type**: AAA 1.5Vx2
- **Output Power Reliable**: +/-0.2 mW
- **Transmitting Range**: Visibility to 3 Km
- **Operating Temperature**: 0~ 50°C
- **Storage Temperature**: 0~ 70°C
GLOBAL PARTNERS & LOCATIONS

OCC ROANOKE, VA
Corporate Headquarters and Fiber Optic Cable Manufacturing Facility
5290 Concourse Drive
Roanoke, VA 24019 USA
540.265.0690 or 800.622.7711

OCC DALLAS, TX
Harsh Environment and Specialty Connectivity Manufacturing Facility
1700 Capital Avenue, Suite 150
Plano, TX 75074 USA
972.509.1500 or 877.509.1500

OCC ASHEVILLE, NC
Enterprise Connectivity Manufacturing Facility
33 Superior Way
Swannanoa, NC 28778 USA
828.298.2260 or 800.880.7674

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