OPTICAL FIBER SPLICE-ON CONNECTOR

DESCRIPTION

Wirewerks Optical Fiber Splice-On Connectors combine the performance and reliability advantages of fusion splicing with the flexibility and on-site termination benefits of field-installable connectors.

Wirewerks Splice-On Connectors are compatible with any 2-3mm OD single fiber cable and are available in LC and SC connector formats in either APC or UPC ferrule polishing styles. The Splice-On Connector utilizes just two components - a connector and a pre-crimped Kevlar rope that is mechanically merged to the cable. Our two-component approach simplifies installation, maximizes yield, and delivers the superior strain relief properties of a factory-terminated fiber patch cord in a field-terminated connector. Additionally, Wirewerks Splice-On Connectors are compatible with any fusion splicer and eliminate the need for expensive crimping tools, splicer jigs, index matching gels, and splice trays/enclosures; providing cost effective, reliable solutions for fusion-spliced field fiber termination.
FEATURES AND BENEFITS

- Compatible with all fusion splicers; no splicer jig required
- Factory-terminated, low-loss solution; insertion loss and return loss guaranteed by environmentally-controlled polishing process
- Aramid strength members ensure standards-compliant tensile strength characteristics
- Ultra-flexible boot allows routing in tight spaces
- Dedicated labeling space on the boot
- Rapid, simplified installation process with high-quality, high-performance, high-yield results
- Universal process for all connector types is easy to learn and repeat
- Eliminate the need for expensive crimping tools, index matching gels, and splice trays and/or enclosures
- Pre-assembled - no housing to install
- Pre-cleaved - only need to prep the incoming cable and splice
- Available in LC/APC, LC/UPC and SC/APC, SC/UPC formats

APPLICATIONS

- Telecommunications Room
- Equipment Room
- Consolidation Point
- Work Area
- Cellular Tower Base Station
- Data Centers
- Telecommunications Networks
- Test and Measurement Systems
- Local and Wide Area Networks (LAN and WAN)
- Community Access Television (CATV)
- Fiber to the X (FTTx)

PACKAGING

- Blister pack

CERTIFICATION AND COMPLIANCE

- ANSI/TIA-568-C.3: Optical Fiber Cabling Component Standard
- GR-326-CORE: Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies
- TIA-604-10: Fiber Optic Connector Intermateability Standard - Type LC
- TIA-604-3: Fiber Optic Connector Intermateability Standard - Type SC
- UL 94: Tests for Flammability of Plastic Material for Parts in Devices and Appliances
- RoHS: Directive on Restriction of Hazardous Substances
- IEC61754-20: Fiber Optic Connector Interfaces - Part 20: Type LC Connector Family
## ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WSOC-LCU-A</td>
<td>Wirewerks Splice-on Connector, LC/UPC, 2/3mm, Blue Boot</td>
</tr>
<tr>
<td>WSOC-LCA-A</td>
<td>Wirewerks Splice-on Connector, LC/APC, 2/3mm, Green Boot</td>
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<tr>
<td>WSOC-SCU-A</td>
<td>Wirewerks Splice-on Connector, SC/UPC, 2/3mm, Blue Boot</td>
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<tr>
<td>WSOC-SCA-A</td>
<td>Wirewerks Splice-on Connector, SC/APC, 2/3mm, Green Boot</td>
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</tbody>
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## PHYSICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Housing Material</td>
<td>High Impact UL 94 V-0 ABS Thermoplastic</td>
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<tr>
<td>Connector Ferrule Material</td>
<td>Zirconia Ceramic</td>
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<tr>
<td>Maximum Insertion Loss</td>
<td>0.2dB (UPC); 0.3dB (APC)</td>
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<tr>
<td>Maximum Return Loss</td>
<td>55dB (UPC); 65dB (APC)</td>
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<tr>
<td>Maximum Tension SC</td>
<td>6.8kg (15lb)</td>
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<tr>
<td>Maximum Tension LC</td>
<td>3.4kg (7.5lb)</td>
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## TEMP. (°C)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Minimum / Maximum</th>
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<tbody>
<tr>
<td>Operating</td>
<td>-40°C (-40°F) ~ 75°C (167°F)</td>
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