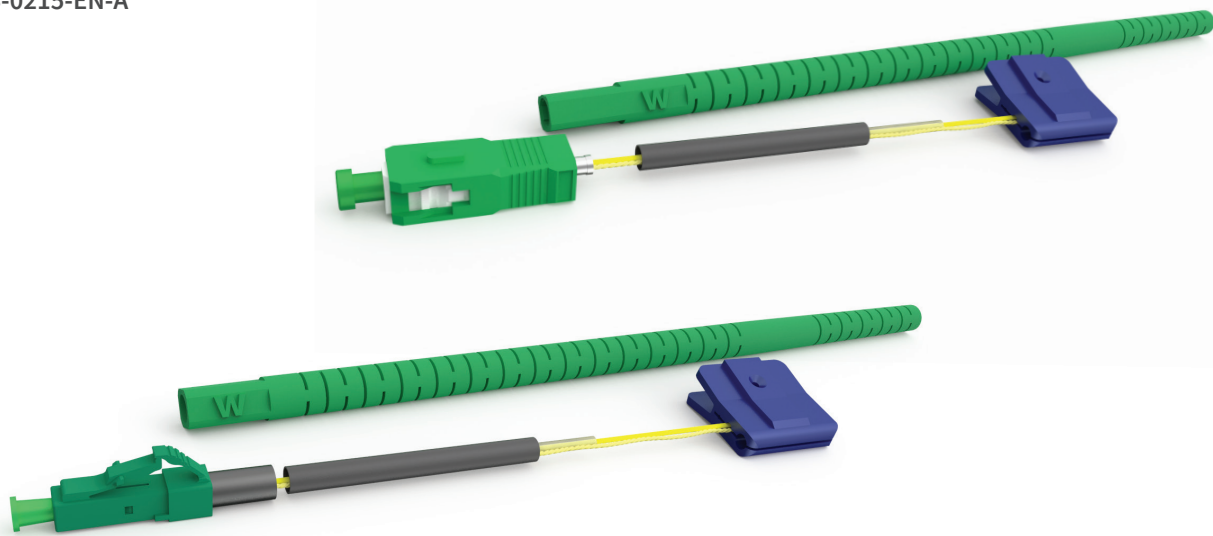


OPTICAL FIBER SPLICE-ON CONNECTOR

PDS-0215-EN-A



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-terminated 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

IEC61754-20

Fiber Optic Connector Interfaces - Part 20: Type LC Connector Family

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

ORDERING INFORMATION

Part Number	Description
WSOC-LCU-A	Wirewerks Splice-on Connector, LC/UPC, 2/3mm, Blue Boot
WSOC-LCA-A	Wirewerks Splice-on Connector, LC/APC, 2/3mm, Green Boot
WSOC-SCU-A	Wirewerks Splice-on Connector, SC/UPC, 2/3mm, Blue Boot
WSOC-SCA-A	Wirewerks Splice-on Connector, SC/APC, 2/3mm, Green Boot

PHYSICAL CHARACTERISTICS

Parameter	Value
Housing Material	High Impact UL 94 V-0 ABS Thermoplastic
Connector Ferrule Material	Zirconia Ceramic
Maximum Insertion Loss	0.2dB (UPC); 0.3dB (APC)
Maximum Return Loss	55dB (UPC); 65dB (APC)
Maximum Tension SC	6.8kg (15lb)
Maximum Tension LC	3.4kg (7.5lb)

TEMP. (°C)

Parameter	Minimum / Maximum
Operating	-40°C (-40°F) ~ 75°C (167°F)