

CraftSmart®

Splice-On Connector (SOC)



Application

Fiber assemblies are used in a variety of carrier networks and private network environments. In some applications, the fiber assembly cannot be deployed with factory terminated connectors. In other instances, there may be a need for quick fiber restoration in the field. CraftSmart Splice-On Connectors are designed for these applications.

Description

In situations where a factory terminated fiber assembly isn't possible, the CraftSmart Splice-On Connector provides the solution for consistent performance. Common applications include field restoration of a broken fiber or when the customer is using media that is expensive and/or difficult to store. In these cases, the customer prefers to cut the media to exact length for his purposes and then use the CraftSmart Splice-On Connector. The Clearfield® advantage is that the protection splice sleeve is directly under the boot, making the routing of the terminated end easier.

The CraftSmart Splice-On Connector is available in all industry standard connectors, including SC/UPC, SC/APC and LC/UPC. The Splice-On Connector meets, and even exceeds industry standard insertion and return loss. Pre-polished and pre-cleaved, the CraftSmart Splice-On Connector is packaged with all required connector components needed to splice a connector onto a 900 μm fiber in the field. CraftSmart Splice-on Connectors require the use of a fusion splicer with removable splice holders.



Features and Benefits

Integrity

- CraftSmart Splice-On Connector is available in all industry standard connectors
- Utilizes a fusion splice for minimal loss and long lasting dependability in any environment
- Meets or exceeds industry standard insertion loss and return loss

Protection

- Individually packaged to protect pre-stripped and cleaved fiber during storage
- Fusion splice is protected by a fusion splice sleeve under a color coded boot
- Ferrules are made of durable Zirconia

Access

- Compact 900 μm fusion splice design that reduces the overall footprint
- Pre-polished fiber end face and pre-stripped, pre-cleaved fiber ready to splice

Investment

- Singlemode, multimode (62.5 μm and 50 μm) and laser optimized available
- Universal holder works with common industry fusion splice machines

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Technical Specifications

| CraftSmart Splice-On Connector (SOC) | | | | | |
|--------------------------------------|-----------------------------------------------|----------------|-------------------|-----------------|-----------------|
| Mode Type | Singlemode/APC | Singlemode/UPC | Multimode/62.5 μm | Multimode/50 μm | Multimode/LO |
| Insertion Loss (maximum) | 0.3 dB | 0.3 dB | 0.4 dB | 0.4 dB | 0.4 dB |
| Optical Return Loss | > 65 dB | > 55 dB | 35 dB (typical) | 35 dB (typical) | 35 dB (typical) |
| Ferrule Type | Zirconia Pre-Polished Ferrules | | | | |
| Color Code | Green | Blue | Beige | Black | Aqua |
| Operating Temperature | -40°C to 80°C | -40°C to 80°C | -40°C to 80°C | -40°C to 80°C | -40°C to 80°C |
| Industry Standards | RoHS Compliant, Compliant to Telcordia GR-326 | | | | |

Compatible Splice Machines

| Manufacturer | Splicer Model | Plastic Holder Compatibility | Plastic Holder Part Number | Universal Holder Compatibility |
|----------------|-------------------------------------------------------------------|------------------------------|----------------------------|--------------------------------|
| FIS | Super Cougar | All Versions | CSM-SOC-FIBER HOLDER-01 | All Versions |
| AFL/Fujikura | FSM-11(S/M) | All Versions | SM-SOC-FIBER HOLDER-02 | All Versions |
| | FSM-12S FSM-19S FSM-70S | All Versions | CSM-SOC-FIBER HOLDER-03 | All Versions |
| | FSM-17S/R | SC and LC Only | | N/A |
| | FSM-18S FSM-41S FSM-60 (S/R) | SC, LC and ST Only | | |
| Furukawa/Fitel | S122 (A/C/M) S121 (A/M) S123 (C/M) S153 S177 S178A | All Versions | CSM-SOC-FIBER HOLDER-04 | All Versions |
| | S179, Ninja | All Versions | CSM-SOC-FIBER HOLDER-08 | N/A |
| Sumitomo | Type-25e (U/S/M) | All Versions | CSM-SOC-FIBER HOLDER-05 | All Versions |
| | Type-39FH Type-46 Type-65 Type-66 Quantum (Q101-CA) | | | N/A |
| INNO | IFS 10 IFS 15 | All Versions | SM-SOC-FIBER HOLDER-06 | N/A |
| Greenlee | 910FS | All Versions | CSM-SOC-FIBER HOLDER-07 | N/A |

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Pre-Configured Part Numbers

| Part Number | Description |
|-----------------|-------------------------------------------------------------|
| CSM-LCU-SM-6PAK | CraftSmart Splice-On Connectors, LC/UPC, singlemode, 6 pack |
| CSM-SCA-SM-6PAK | CraftSmart Splice-On Connectors, SC/APC, singlemode, 6 pack |
| CSM-SCU-SM-6PAK | CraftSmart Splice-On Connectors, SC/UPC, singlemode, 6 pack |