

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	Metal Holder Compatibility	Metal 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-FCU-SM-6PAK	CraftSmart® Splice-On Connectors, FC/UPC, singlemode, 6 pack
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
CSM-STU-SM-6PAK	CraftSmart Splice-On Connectors, ST/UPC, singlemode, 6 pack