

Technical Specification

FSOC(Fusion Splice On Connector) SC 3.0(2.0)mm

Connector type	Fiber type	Boot	Sleeve	Cable
SC/UPC & SC/APC	SM & MM	Soft Boot	25mm	3.0(2.0)mm Dia.

1. General

This technical specification describes the information of the components and the characteristics of UCL's Fusion Splice-On Connector, SC type with SM and MM fiber, 3.0mm or 2.0mm buffered jacket cable that is terminated on the UCL's All-In-One Fusion Splicer, KF4A and K33A.

2. Features and Benefits

- Fusion technology shows better optical performance and reliability versus mechanical splice connector
- Eliminates cable shorts and excess slack, just in length installation
- Easy and Fast installation with KF4A & K33A, All-In-One fusion splicer

3. Specifications

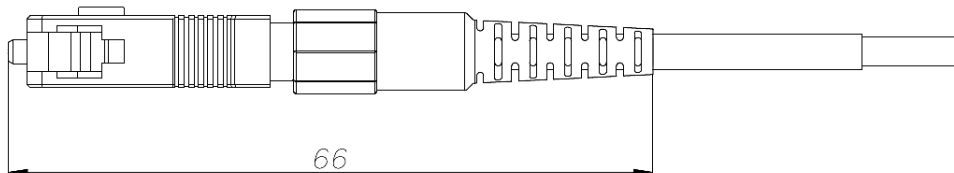
3.1 Optical Performance

Singlemode (OS1 & OS2)	Insertion Loss	Typ.	0.15dB
		Max	0.30dB
	Return Loss	min.	55dB (UPC), 65dB (APC)
Multimode (OM1,OM2,OM3 & OM4)	Insertion Loss	Typ.	0.10dB
		Max	0.20dB
	Return Loss	min.	30dB

3.2 Standards Compliance

Intermateability	IEC 61754-2, TIA/EIA-604-2
Endface	IEC 61300-3-35
Geometry	GR-326-CORE, 4.4.5 Geometry Requirements
Reliability	GR-1081-CORE, TIA-568-C.3
Material	RoHS, UL94V-0

4. Dimension



5. Ordering Information

Part Number	Product Description	Length (mm)
FSOC-D0-SC/APC-25-SB-30B	G.652.D, SC type, APC polishing, 25mm sleeve, 3.0mm soft boot	66
FSOC-D0/P-SC/APC-25-SB-30B	G.652.D, Pre-cleaved, SC type, APC polishing, 25mm sleeve, 3.0mm soft boot	66
FSOC-A2-SC/APC-25-SB-30B	G.657.A2, SC type, APC polishing, 25mm sleeve, 3.0mm soft boot	66
FSOC-A2/P-SC/APC-25-SB-30B	G.657.A2, Pre-cleaved, SC type, APC polishing, 25mm sleeve, 3.0mm soft boot	66
FSOC-M4-SC/UPC-25-SB-30B	OM4, Pre-cleaved, SC type, UPC polishing, 25mm sleeve, 3.0mm soft boot	66
FSOC-M4/P-SC/UPC-25-SB-30B	OM4, Pre-cleaved, SC type, UPC polishing, 25mm sleeve, 3.0mm soft boot	66

6. Splicing & Heating Condition on KF4A and KF4

Mode	Condition
Splicing Mode	12. G657A2B2, 1. SM ITU-T G652
Heating Mode	Temp. : 170~180Deg. Time : 40~50sec

7. Related Products

Classification	Product Number	Product Description
Fusion Splicer	KF4, KF4A	UCL Fusion Splicer, Cladding Splicer
Fusion Splicer	K33, K33A	UCL Fusion Splicer, Core Splicer
FSOC Holder	HF4-SC/FC	FSOC-SC & FC Holder, Right on KF4, KF4A
FSOC Holder	HS-SC/FC	FSOC-SC & FC Holder, Right on K33, K33A
Cable Holder	HS-2.5F	Cable Holder for 3.0(2.0)mm stripped cable, Left

8. Documents

Document Number	Description
IG-FSOC-SC30SB-B-001	Installation Manual
RT-TI-FSOC-SC30SB-B-001	Reliability Test Report(GR-1081-CORE)