Technical Specifications

FSOC(Fusion Splice On Connector) SC Hard Boot

Connector type	Fiber type	Boot	Sleeve	Cable
SC/UPC & SC/APC	SM	Hard Boot	32mm	5.0x2.0mm Flat 3.0mm Round

1. General

UCL's FSOC(Fusion Splice-On Connector) SC type with hardboot is field installable and provides easy, reliable, permanent field terminations and complying with international standards. It provides more stable quality and performance than that of mechanical field installable types of connectors. This technical specification describes the information of the components and the characteristics of UCL's Fusion Splice-On Connector, SC type with 5.0x2.0mm flat drop or 3.0mm round drop cable that is terminated on the UCL's All-In-One Fusion Splicer, KF4A.

2. Features and Benefits

- It allows installers to reduce service delivery, operation and maintenance time
- The fusion splice-on connector (FSOC) is quick, easy and reliable solution for the last mile of FTTH (Fiber to the Home) and data center area
- As it is field installable, it eliminates excess cable length and gives cost effective solution comparing with pre-terminated dorp cable
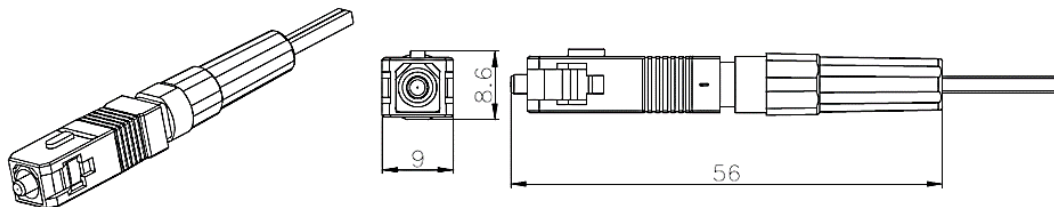
3. Specifications

3.1 Optical Perfomance

Singlemode (OS1 & OS2)	Insertion Loss	Typ.	0.15dB
		Max	0.30dB
	Return Loss	min.	55dB (UPC), 65dB (APC)

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
Material	RoHS, UL94V-0

4. Dimension

5. Ordering Information

Part Number	Product Description	Length (mm)
FSOC-A2/P-SC/APC-32-HB-2030A	G.657.A2, SC/APC type, Pre-Cleaved, 32mm sleeve, Hard Boot	56
FSOC-A1-SC/UPC-32-HB-2030A	G.657.A1, SC/UPC type, 32mm sleeve, Hard Boot	56

6. Splicing & Heating Condition on KF4A and KF4

Mode	Condition
Splicing Mode	12. G657A2B2 / 1. SM ITU-T G652
Heating Mode	10. Temp. : 170~190 Deg. Time : 40~60sec

7. Related Products

Classification	Product Number	Product Description
Fusion Splicer	KF4, KF4A	UCL Fusion Splicer, Cladding Splicer
FSOC Holder	HF4-SC/FC	FSOC-SC & FC Holder, Right on KF4 and KF4A
Cable Holder	HS-IN	Cable Holder for 2.0x5.0mm drop cable, Left on KF4 and KF4A
Cable Holder	HS-2.5F	Cable Holder for 3.0mm drop cable, Left on KF4 and KF4A
Jacket Stripper	ST-5020	5.0x2.0(3.0x2.0)mm cable jacket stripper

8. Documents

Document Number	Description
IG-FSOC-SC2030HB-A-001	Installation Manual