

# Field Assembly Optical Connector

## SC Universal Boot

### DESCRIPTION

KOC's SC Universal type Field Assembly Optical Connector(FAOC) is designed to be suitable for various kinds of application from bare fiber to the 2x3mm & 3.0mm cable. It provide fast and simple field termination of FTTH Drop cable and Indoor cables without any extra manufacturing process like polishing and epoxy on the ferrule. The FAOC is made with high precision and quality zirconia ferrule and provide a highly reliable connection in most of the fiber optic network application.



### FEATURES

Highly stable and reliable performance  
 Intermateability IEC 61754-4  
 EU regulation : RoHS  
 Flammability Grade : UL94 V-0(Optional)  
 High Success Rate design and technology  
 Reusable termination capability(up to 5 times)

### Application

Fiber To The Home network  
 Fiber Optic cable Distribution network

Classification	Length	Cable Size	Part Number	Color	
				Body	Boot
SC Universal Boot	51mm	0.25~3.0 mm 2x3mm	FAOC-SC/UPC-SM-U(51)-2030	Blue	Gray
			FAOC-SC/APC-SM-U(51)-2030	Green	Gray
			FAOC-SC/UPC-OM1-U(51)-0025/0300	Beige	Gray
			FAOC-SC/UPC-OM2-U(51)-0025/0300	Beige	Gray
			FAOC-SC/UPC-OM3-U(51)-0025/0300	Aqua	Gray

### USER GUIDE

Fiber/Cable	Size (mm)	SC					
		SC Hard Boot			SC Soft Boot 44	SC Folder Boot 56	SC Universal 51
		50	51	56			
Bare Fiber	0.25	○			○		○
Indoor Cable	0.9	○			○		○
	2.0		○				○
	3.0		○	○			○
FTTH Drop Cable	3.0		○	○			○
	2.0 x 3.0		○			○	○

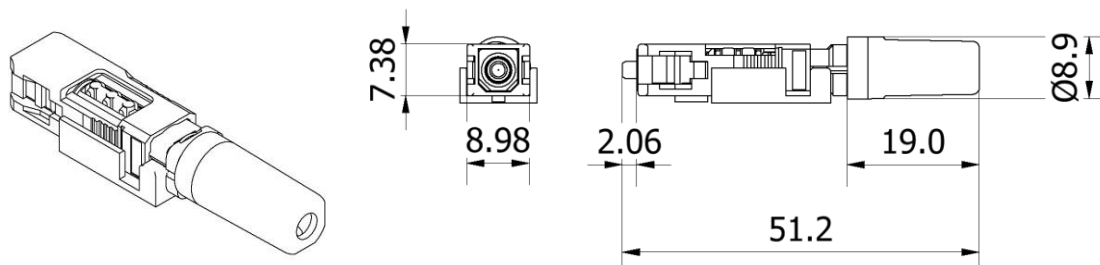


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### DIMENSION

#### SC Universal Boot 51mm



### OPTICAL PERFORMANCE

Characteristics	Condition	Unit	Value		
			Min	Mean	Max
Insertion Loss	UPC	dB		0.30	0.50
	APC	dB		0.30	0.50
Return Loss	UPC	dB	50.0	53.0	
	APC	dB	55.0	62.0	

### END FACE MANAGEMENT

ZONES	SCRATCHES	DEFECTS	REFERENCE
A : Core (0 to 25um)	None	None	IEC 61300-3-35
B : Cladding (25 to 120um)	No limit : $\leq 3\mu\text{m}$ None : $> 3\mu\text{m}$	No limit : $< 2\mu\text{m}$ Five : from 2 to 5um None : $> 5\mu\text{m}$	
C : Adhesive (120 to 130um)	No limit	No limit	
D : Contact (130 to 250um)	No limit	None : $\geq 10\mu\text{m}$	



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### ORDERING INFORMATION

FAOC-SC/ \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

