

# Field Assembly Optical Connector

## LC Hard Boot

### DESCRIPTION

KOC's LC Hard type Field Assembly Optical Connector(FAOC) is designed for 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 61754-20  
 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
LC Hard Boot	37mm	0.25mm (Bare fiber)/ 0.9mm/ 2.0mm	FAOC-LC/UPC-SM-H(37)-0025/0200	Blue	Blue
			FAOC-LC/APC-SM-H(37)-0025/0200	Green	Green
			FAOC-LC/UPC-OM1-H(37)-0025/0200	Beige	White
			FAOC-LC/UPC-OM2-H(37)-0025/0200	Beige	White
			FAOC-LC/UPC-OM3-H(37)-0025/0200	Aqua	White
			FAOC-LC/UPC-OM4-H(37)-0025/0200	Aqua	White
	45mm	0.25mm (Bare fiber) 0.9mm & 2.0mm	FAOC-LC/UPC-SM-H(45)-0025/0900	Blue	Blue
			FAOC-LC/APC-SM-H(45)-0200/0900	Green	Green
			FAOC-LC/UPC-OM1-H(45)-0025/0200	Beige	White
			FAOC-LC/UPC-OM2-H(45)-0025/0200	Beige	White
			FAOC-LC/UPC-OM3-H(45)-0025/0200	Aqua	White
			FAOC-LC/UPC-OM3-H(45)-0025/0200	Aqua	White
	48mm	3.0mm	FAOC-LC/UPC-SM-H(48)-0300	Blue	Blue
			FAOC-LC/APC-SM-H(48)-0300	Green	Green
			FAOC-LC/UPC-OM1-H(48)-0300	Beige	White
			FAOC-LC/UPC-OM2-H(48)-0300	Beige	White
			FAOC-LC/UPC-OM3-H(48)-0300	Aqua	White
			FAOC-LC/UPC-OM4-H(48)-0300	Aqua	White

# Field Assembly Optical Connector

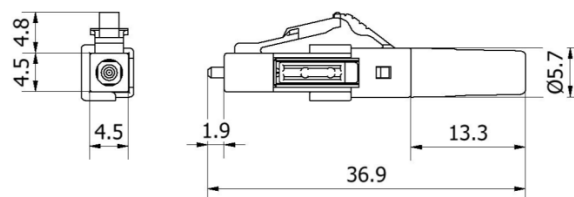
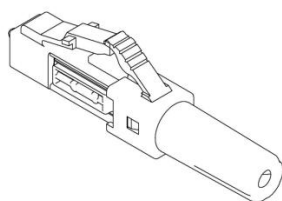
## LC Hard Boot

### USER GUIDE

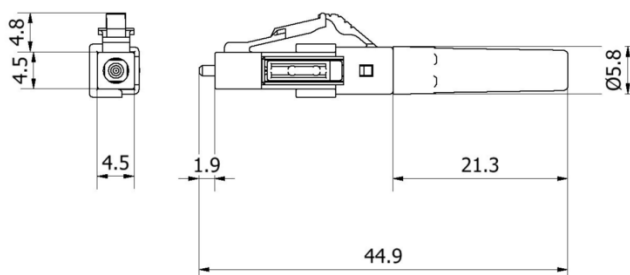
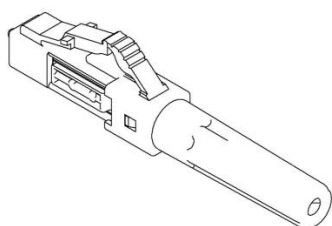
Fiber/Cable	Size (mm)	LC		
		LC Hard Boot		
		LC 37	LC 45	LC 48
Bare Fiber	0.25	○	○	
Indoor Cable	0.9	○	○	
	2.0	○	○	
	3.0			○
FTTH Drop Cable	3.0			○

### DIMENSION

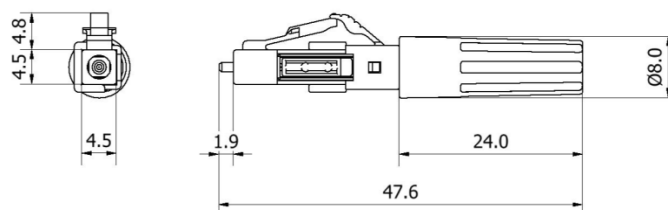
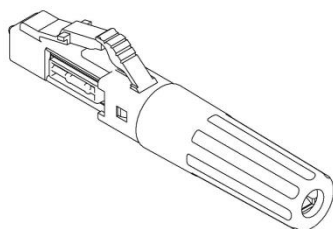
#### LC Hard Boot 37mm



#### LC Hard Boot 45mm



#### LC Hard Boot 48mm



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### 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	

### GEOMETRY MANAGEMENT

PARAMETER	Unit	SPEC(PC/APC)	REFERENCE
Radius of Curvature	mm	7~25 / 7~12	GR-326-CORE 4.4.5 Geometry Requirement.
Dome Offset(Max)	um	50 / 50	
Undercut or Protrusion(Max)	nm	-125~50 / -100~100	

### 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 : <= 3um None : > 3um	No limit : < 2um Five : from 2 to 5um None : > 5um	
C : Adhesive (120 to 130um)	No limit	No limit	
D : Contact (130 to 250um)	No limit	None : >=10um	

### ORDERING INFORMATION

FAOC-LC/ \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

