



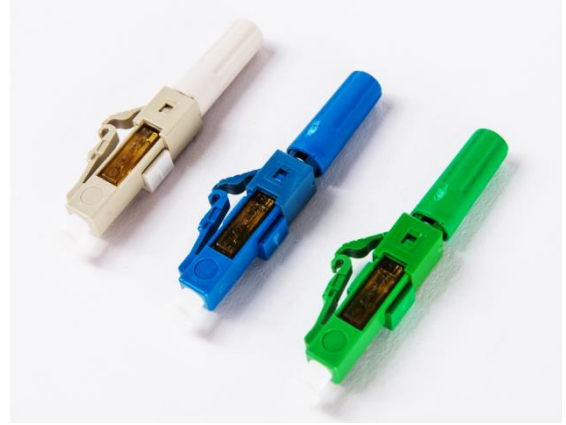
TECHNICAL SPECIFICATION

CENKABLO
perfectLINK

(Field Assembly Optical Connector)

DESCRIPTION

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 APPLICATION

Highly stable and reliable performance Fiber To The Home network Interchangeability IEC 61754-20 Fiber Optic cable Distribution network EU regulation: RoHS Flammability Grade: UL94 V-0 (Optional) High Success Rate design and technology Reusable termination capability (up to 5 times)

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			○



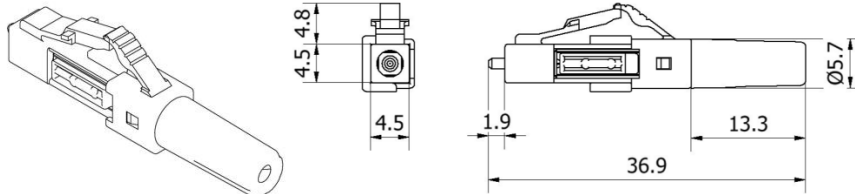
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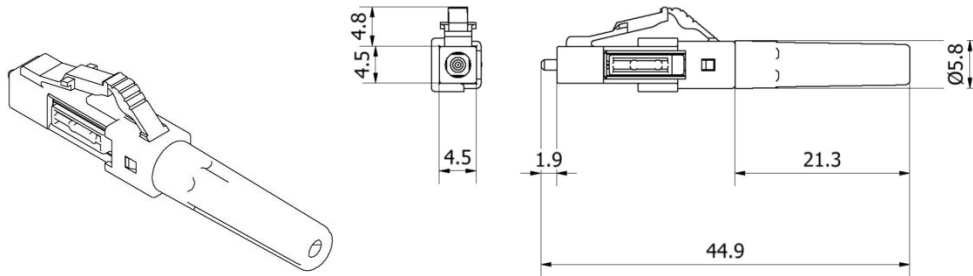
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DIMENSION

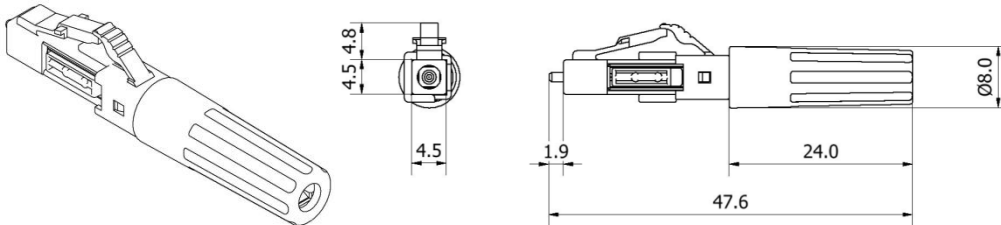
LC Hard Boot 37mm



LC Hard Boot 45mm



LC Hard Boot 48mm



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	



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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/ _____ - _____ - _____ - _____

Cable Diameter

0025 : 250um
0090 : 900um
0200 : 2.0mm
0300 : 3.0mm

Boot Type/Total Length

H : Hard Boot

Fiber Type: SM, OM1, OM2, OM3, OM4

Polishing Type: UPC, APC