

CLOUDTRON FTTH Optical Connector







SC Hard Boot





DESCRIPTION

Cloudtronics SC Hard type Field Assembly Optical Connector 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. This connector is made with high precision and quality zirconia ferrule and provide a highly reliable connection in most of the fibre optic network application.

FEATURES

-  Highly stable and reliable performance
-  Intermate ability 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

-  Fibre to The Home network
-  Fibre Optic cable Distribution network

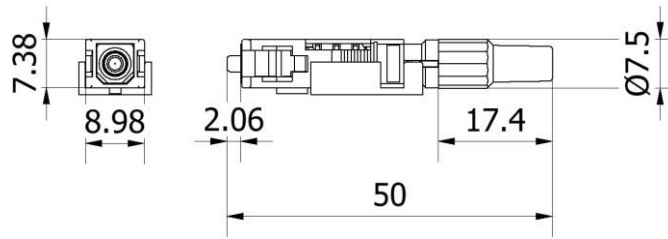
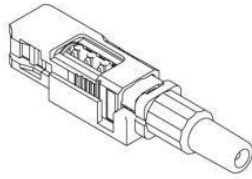
Classification	Length	Cable Size	Part Number	Colour	
				Body	Boot
SC Hard Boot	50mm	0.25mm (Bare fibre)/ 0.9mm	CLD-SC/UPC-SM-H(50)-0025/0090	Blue	Gray
			CLD-SC/APC-SM-H(50)-0025/0090	Green	Gray
			CLD-SC/UPC-OM1-H(50)-0025/0090	Beige	Gray
			CLD-SC/UPC-OM2-H(50)-0025/0090	Beige	Gray
			CLD-SC/UPC-OM3-H(50)-0025/0090	Aqua	Gray
			CLD-SC/UPC-OM4-H(50)-0025/0090	Aqua	Gray
	51mm	2.0mm / 3.0mm	CLD-SC/UPC-SM-H(51)-0200/0300	Blue	Gray
			CLD-SC/APC-SM-H(51)-0200/0300	Green	Gray
			CLD-SC/UPC-OM1-H(51)-0200/0300	Beige	Gray
			CLD-SC/UPC-OM2-H(51)-0200/0300	Beige	Gray
			CLD-SC/UPC-OM3-H(51)-0200/0300	Aqua	Gray
			CLD-SC/UPC-OM4-H(51)-0200/0300	Aqua	Gray
	57mm	3.0mm	CLD-SC/UPC-SM-H(57)-0300	Blue	Gray
			CLD-SC/APC-SM-H(57)-0300	Green	Gray
			CLD-SC/UPC-OM1-H(57)-0300	Beige	Gray
			CLD-SC/UPC-OM2-H(57)-0300	Beige	Gray
			CLD-SC/UPC-OM3-H(57)-0300	Aqua	Gray

USER GUIDE

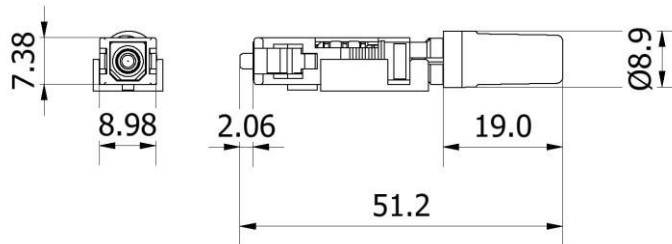
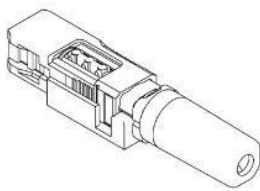
Fiber/Cable	Size (mm)	SC					
		SC Hard Boot			SC Soft Boot 45	SC Folder Boot 56	SC Universal 51
		50	51	57			
Bare Fiber	0.25	O			O		O
Indoor Cable	0.9	O			O		O
	2.0		O				O
	3.0		O	O			O
FTTH Drop Cable	3.0		O	O			O
	2.0 x 3.0		O			O	O

DIMENSION

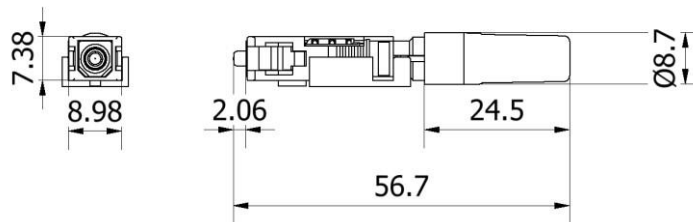
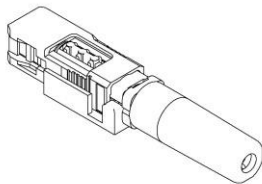
SC Hard Boot 50mm



SC Hard Boot 51mm



SC Hard Boot 57mm



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

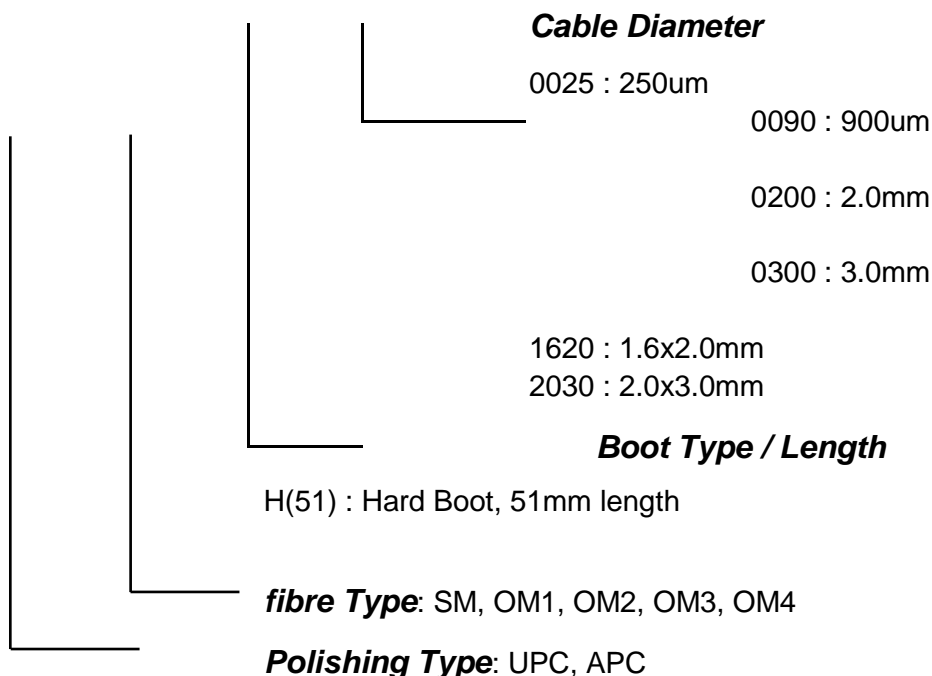
Parameter	Unit	SPEC(PC/APC)	Reference
Radius of Curvature	mm	7~25 / 7~12	GR-326-CORE 4.4.5 Geometry Requirement.
Dome Offset (Max)	um	50 / 50	
Undercut or Protrusion (Max)	nm	-125~50 / -100~100	

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

CLD-SC/ _____ - _____ - _____ - _____



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