Fusion Splice-On Connector

DESCRIPTION

Using a factory-terminated and pre-polished connector, this Splice-On Connector (SOC) provides a connection that meets or exceeds industry standards for loss and back reflection. The Connector is provided with a factory-cleaved 900µm fiber stub to ensure ease of use and optimal performance. The bulk packaging reduces waste by eliminating individual plastic tubes and boxes typically used for smaller quantities of splice-on connectors. It also offers convenience for high-density installations with large connector volumes, and the resealable clamshell allows for easy storage of unused connectors.



APPLICATION

The SOC is ideal for use in high-density environments, network upgrades, or rapid service deployment. Designed for field termination, it enables a quick, reliable connection directly onto the fiber. This method reduces insertion loss and simplifies cable management by eliminating excess slack and splice trays.

Construction		
	Single Mode	**Multimode**
Fiber Size	9/125	50/125
		62.5/125
Fiber Type	OS2	OM1
		OM3
		OM4
		OM5
Type	Fusion	Fusion
Material(s)	Zirconia	Zirconia
Connector Type	LC	LC
Boot Color	White (OS2, UPC)	Beige (OM1)
		Aqua (OM3)
	Green (OS2, APC)	Magenta (OM4)
		Lime (OM5)
Connector Color	Blue (OS2, UPC)	Beige (OM1, OM3, OM4)
	Green (OS2, APC)	Lime (OM5)
Ferrule Dimensions	1.25mm	1.25mm
Special Features	Includes color coded 900µm buffer, boot, cleave protector and extended dust cap for easy fiber identification	Includes color coded 900µm buffer, boot, cleave protector and extended dust cap for easy fiber identification
Country of Origin	USA	USA

Optical Properties		
	Single Mode	Multimode
Insertion Loss (Typical)	0.15dB	0.25dB
Insertion Loss (Maximum)	0.3dB	0.4dB
Return Loss	>65dB (APC)	35dB
	>55dB (UPC)	

Environmental Properties	
Temperature Rating	-40°C to 85°C (-40°F to 185°F)
PEP	NA
Product Has Potential to Contribute to LEED	NA

Standards	
List of Standards	RoHS
	ANSI/TIA-568.3
	Telcordia GR-326-CORE

Fusion Splice-On Connector, 50 Pack Ordering Information

Part Number	Description
205KNF9SD-09	SOC, CONN, LC, OS2, 900µm, BLUE, 50 PK
205KNF9MD-09	SOC, CONN, LC, APC, OS2, 900µm, GREEN, 50 PK
205KNF9GD-62	SOC, CONN, LC, OM1, 900µm, BEIGE, 50 PK
205KNF9GD-50T	SOC, CONN, LC, OM3, 900µm, AQUA, 50 PK
205KNF9GD-50E	SOC, CONN, LC, OM4, 900µm, MAGENTA, 50 PK
205KNF9GD-50W	SOC, CONN, LC, OM5, 900µm, LIME, 50 PK

Splice Holders

Part Number	Splice Holder	Compatibility
20500369	FIS Fiber Fox Splice-On Connector Holder	CA3, Mini6S
20500368	FIS Fiber Fox Splice-On Connector Holder	Universal



20500369

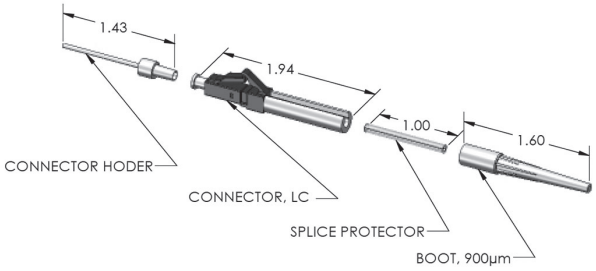


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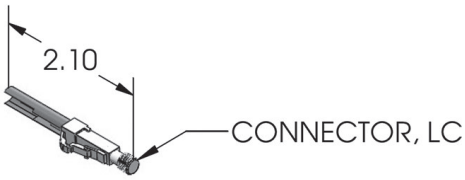
Fusion Splice-On Connector, Individual

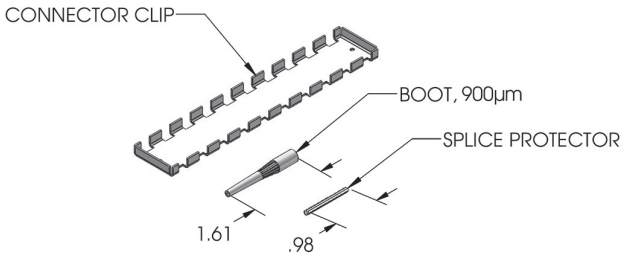


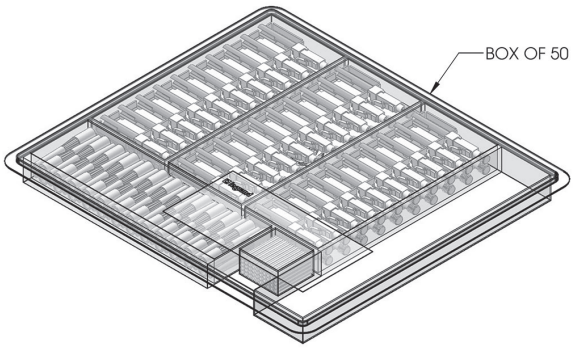




Fusion Splice-On Connector, 50 Pack







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