



CARDConnect™ Inline Splice Sleeves

AFL's CARDConnect Inline, Optical Fiber Splice Sleeves are ideal for low profile splices to PSM4 active optical cables and reducing electronic component manufacturing complexity. The Inline Splice is designed to meet the growing need for 8-channel applications as data centers grow from 40G to 100G and beyond. AFL's product is tested to survive typical installation and handling loads expected in a controlled data center environment.

The Inline Splice Sleeve design achieves a low profile by utilizing a mechanical sleeve design that sits inline with the cable jacketing diameter, unlike traditional splice sleeves that sit on top of the cable jacketing. Strain relief is incorporated with threaded boots to capture the aramid yarn.

Features

- Low profile splice offers minimal cable build up
- 8-fiber termination ideal for 8-channel networks

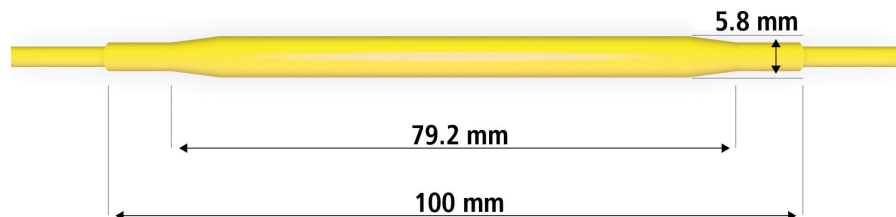
Applications

- High density, robust splice solutions for data and telecommunications systems
- PSM4 Active Optical Cables and transceiver modules

Specifications

PARAMETER		VALUE	
Length	Before Heatshrink	79.2 mm	
	After Heatshrink	100 mm	
Insertion Loss		Max Loss < 0.1 dB	
Temperature / Humidity	Storage	-40°C to 85°C / up to 90% RH	
	Operating	-5°C to 70°C / up to 90% RH	
ROHS/REACH		Compliant	
Mechanical Performance	Vibration	Light duty vibration—1.5 mm p-p amplitude, 10-55 Hz with 45 Hz/min. sweep rate, 3 axes, 2 hr/axes	
	Twist	2 lbf, 10 cycles (-90 to +90 degrees)	
	Flex	2 lbf, 10 cycles (-90 to +90 degrees)	
	Cable Retention	Straight Pull	10 lbf, 1 min
		Side Pull	2 lbf, 90 degrees, 1 min
Drop	1.5 meters, 10 drops		

Dimensions



Ordering Information

DESCRIPTION	AFL NO.
Inline Splice Kit (quantity 1)	FM003821
Inline Splice Kit (quantity 100)	FM003821-100
Inline Splice Kit (quantity 1000)	FM003821-1000

Contact AFL customer service at 1-800-235-3423 to discuss your opportunities.