Amphenol Broadband Solutions®

F-Splice
Model G-F81XL

High-Performance F-Splice

ABS has advanced the traditional F-splice technology with a patented design offering a higher level of electrical and mechanical features. The advanced features provide increased return loss beyond 3 GHz, more than twice the pin contact area and increased holding force for higher current handling and greater reliability.

G-F81XL

Features:

- 3 GHz Operation
- Lower Insertion Loss
- High Return Loss (> 35 dB)
- SCTE Flat Port Ends (IPS SP 400)
- High Holding Force (> 200 grams)
- Beryllium Copper Seizing Pin
- Greater Contact Area

Specifications

Electrical	
Frequency Range	DC - 3 GHz
Insertion Loss	< .1 dB (1 GHz) < .2 dB (2 GHz) < .3 dB (3 GHz)
Return Loss	> 35 dB (1 GHz) > 28 dB (2 GHz) > 26 dB (3 GHz)
Pin Holding Force	> 200g (Initial) > 120g (After 50 Inserts)

Mechanical	
Total Length (mm)	34.05
Long End/Short End (mm)	15 / 15
Nut Size (mm)	11 Hex (7/16")
Body Material	Brass
Threads	Machined
Contact Pin	BeCu
Insulator	HDPE

ABS Superlok™ G-Series splices pass SCTE 146 2008 using the following specifications:

SCTE 103 2004	DC Contact Resistance	Pass
SCTE 144 2007	Insertion Loss	Pass
SCTE 04 1997	Return Loss	>30 dB @ 1002 MHz
SCTE 143 2007	Salt Spray	Pass
SCTE 48-1 2007	Shielding Effectiveness	>100 dB @ 1002 MHz
SCTE 81 2007	Surge Withstand	Pass 6kV, category B3 1.2/50 - 8/20 µs