

CORNING

GF-81 Splice Barrel

Our newly updated GF-81 barrel splice is a 3/8"-32 threaded coupler used by technicians to link coaxial cables together within satellite, antenna, and cable television systems. The splice barrel is specifically used with Series 59 and Series 6 cable jumpers for wall-plate and other general home-splicing applications. The nickel-plated brass body provides excellent corrosion resistance when tested for 1,000 hours in a 5 percent salt-fog environment specified by ANSI/SCTE 155.

Features and Benefits:

General Specifications	
Environment	Indoor
Crimp/compression	Hex Crimp
Meets SCTE 155 Requirements	
Temperature Range	
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Installation	-30°C to 70°C (-22°F to 158°F)
Operation	-40°C to 70°C (-40°F to 158°F)
Design – Hardware	
Interface Type	F Female/F Female
Body	Straight
Mechanical Characteristics	
Frequency Range	0 GHz to 3 GHz
Electrical Characteristics (at 20°C)	
Return Loss	-30 dB or Greater
Chemical Characteristics	
RoHS	Free of Hazardous Substances According to RoHS 2011/65/EU
Transmission	
Shielding Effectiveness	-130 dB

Preferred by cable and satellite operators and installers, the GF-81 splice barrel is compatible with high-speed broadband and satellite delivery systems with superior performance through 2.4 GHz bandwidth, and is ideal for all types of coax signals: cable TV, DVR, satellite setups, etc.

The GF-81 meets or exceeds the requirements of ANSI/SCTE 155, "Indoor F Female to F Female Inline Splice:"

- Accepts 0.025-0.0422 in center-conductor diameters
- Center conductor retention is greater than 50 grams-force (gf) using a 0.032-in diameter center conductor following 25x cycling with a 0.0403-in diameter center conductor
- Return loss better than 35 dB through the DOCSIS 3.1 extended frequency of 1,218 MHz
- Insertion loss less than 0.015 dB at 1,218 MHz
- Center conductor resistance less than 7 mΩ
- Outer conductor resistance less than 0.01 mΩ
- Shielding effectiveness better than -120 dB through 1,218 MHz

