

**GRF1-C SERIES**

**(5.00 mm) .197"**

# 50Ω GANGED MICRO-MINI RF CABLE

## SPECIFICATIONS

For complete specifications see [www.samtec.com?GRF1-C](http://www.samtec.com?GRF1-C)

**Shell Material:**

Brass  
**Insulator Material:**  
PTFE

**Contact Material:**

BeCu

**Pin Material:**

Brass

**Plating:**

30µ" (0.76 µm) Au over

50µ" (1.27 µm) Ni

**Operating Temp Range:**

-40°C to +90°C

**Impedance:**

50Ω

**RoHS Compliant:**

Yes

**RG 316 Cable:**

**Impedance:**

50Ω

**Capacitance:**

96.432 pF/meter

**Propagation Delay:**

4.83 nsec/meter

**Max Attenuation**

(cable only):

1.25dB @ 1 GHz for 1 meter

**Conductor Size:**

26 AWG, (0.51 mm) .020" dia.

**Conductor Material:**

Silver Plated Copper

**Insulator Diameter:**

(1.52 mm) .060"

**Insulator Material:**

PTFE

**Shield Material:**

Silver Plated Copper Clad Steel

**Jacket Material:**

FEP

**Jacket Diameter:**

(2.54 mm) .100"

**Jacket Color:**

Amber

**Bend Radius:**

12.7 mm

**RoHS Compliant:**

Yes

**Mates with:**

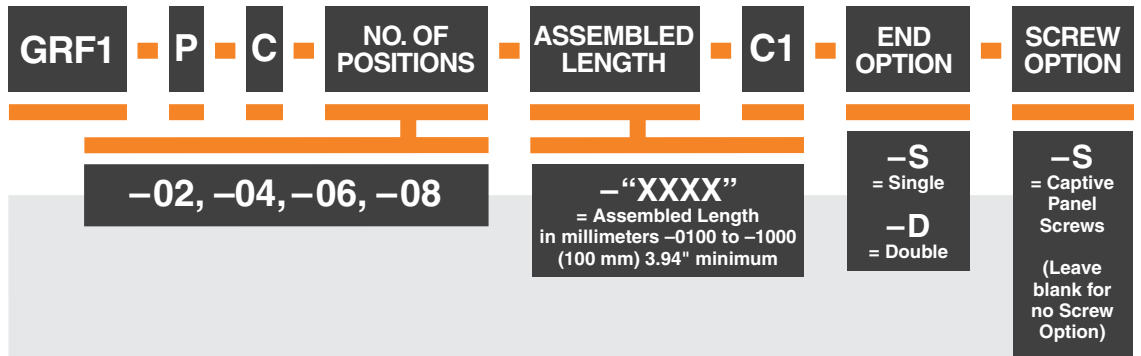
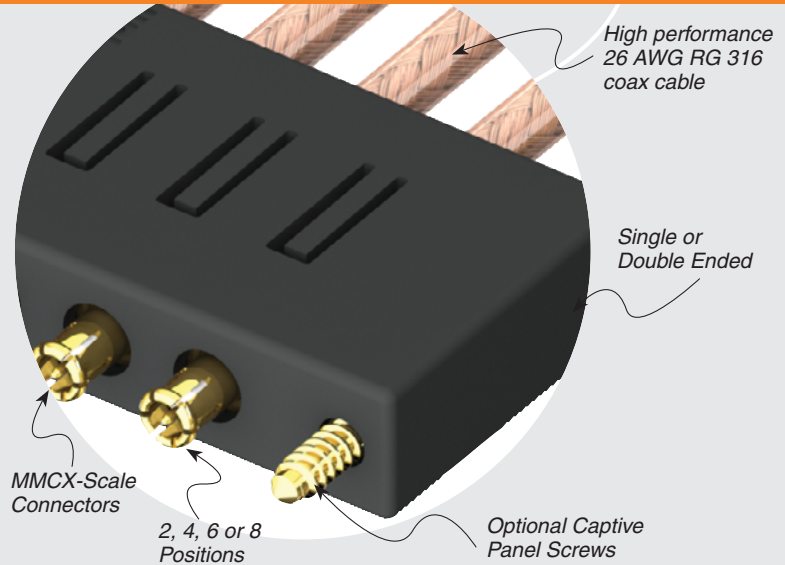
GRF1-J

### TOOLING

Application Tooling.  
Contact [atg@samtec.com](mailto:atg@samtec.com)  
for more information.

### OTHER SOLUTIONS

- 50Ω Board-to-Board system (see GRF1-J & GRF1-P Series)



## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



**Notes:**

Cable lengths longer than 40.00" (1 meter) are not supported with S.I. test data.

This Series is non-standard, non-returnable.

