



GRF1-C SERIES

(5.00 mm) .197"

# 50 Ω 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:**  
 30 μ" (0.76 μm) Au over  
 50 μ" (1.27 μm) Ni  
**Operating Temp Range:**  
 -40 °C to +90 °C

**Impedance:**

50 Ω

**RoHS Compliant:**

Yes

**RG 316 Cable:**

**Impedance:**

50 Ω

**Capacitance:**

96.432 pF/meter

**Propagation Delay:**

4.83 nsec/meter

**Max Attenuation**

(cable only):  
 1.25 dB @ 1 GHz for 1 meter

**Conductor Size:**

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

**Conductor Material:**

Silver and Copper Plated Steel

**Insulator Diameter:**

(1.52 mm) .060"

**Insulator Material:**

PTFE

**Shield Material:**

Silver and Copper

**Jacket Material:**

FEP

**Jacket Diameter:**

(2.54 mm) .100"

**Jacket Color:**

Amber

**Bend Radius:**

12.8 mm

**RoHS Compliant:**

Yes

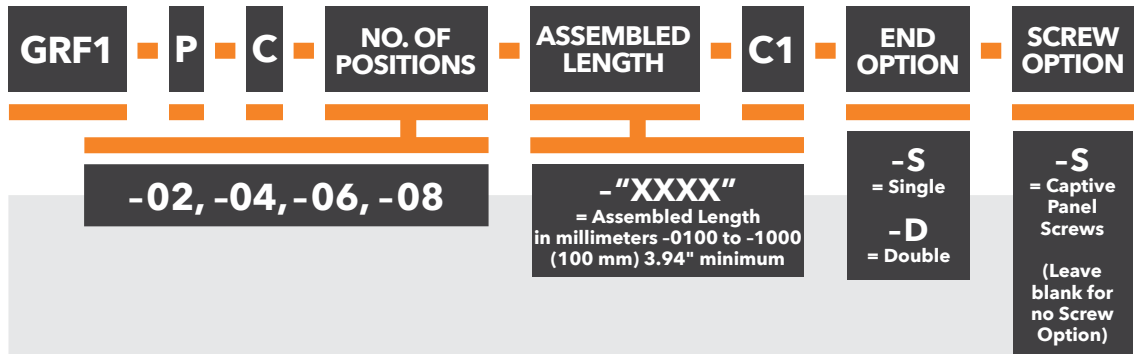
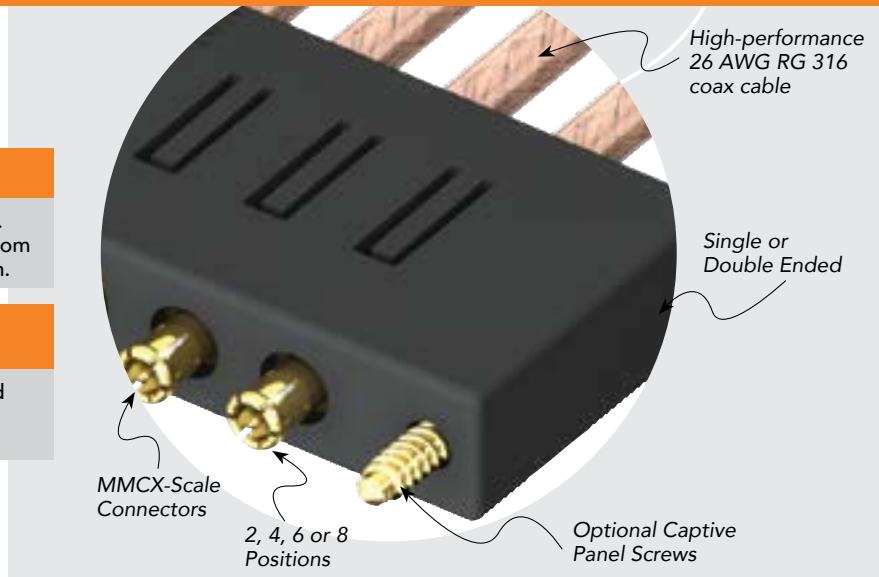
**Mates with:**  
 GRF1-J

## TOOLING

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

## OTHER SOLUTIONS

- 50 Ω 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.

