

**GRF7H-C SERIES**

(5.00 mm) .197"

# 75 Ω HYBRID MICRO-MINI RF CABLE

**SPECIFICATIONS**

For complete specifications see [www.samtec.com?GRF7H-C](http://www.samtec.com?GRF7H-C)

**RF Connector:**

- Shell Material:** Brass (GRF, MCX, SMB, DIN, BNC, MMCX7-J), BeCu (MMCX7-P)
- Insulator Material:** PTFE
- Contact Material:** BeCu (GRF, SMB), Brass (MCX, BNC-P, MMCX7), Copper Alloy (DIN, BNC-J)
- Operating Temp Range:** -40 °C to +90 °C
- Impedance:** 75 Ω
- RoHS Compliant:** Yes

**RG 179 Cable:**

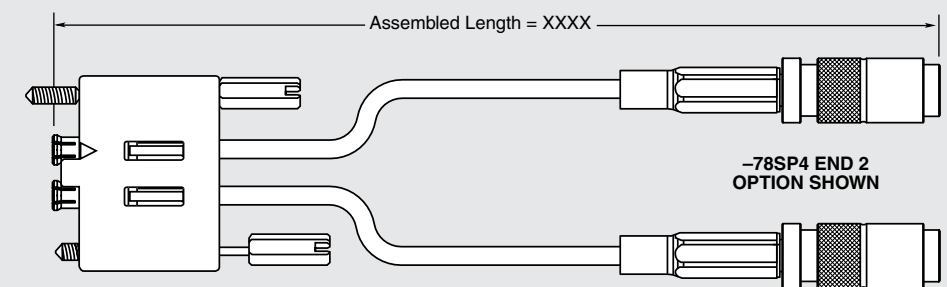
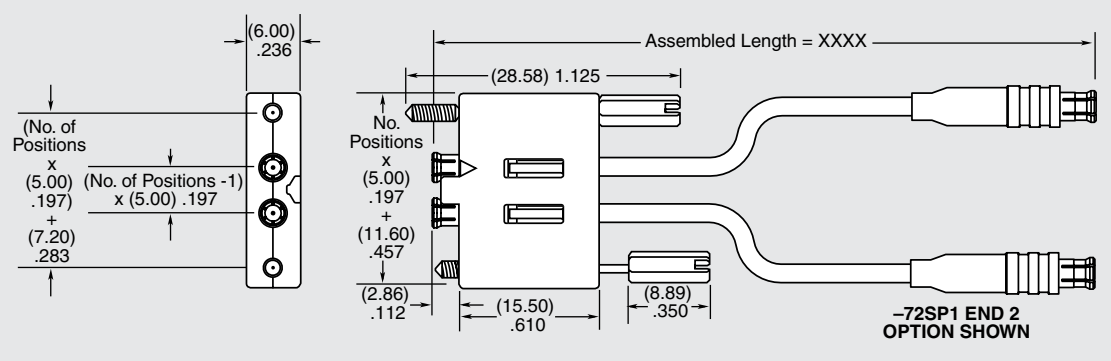
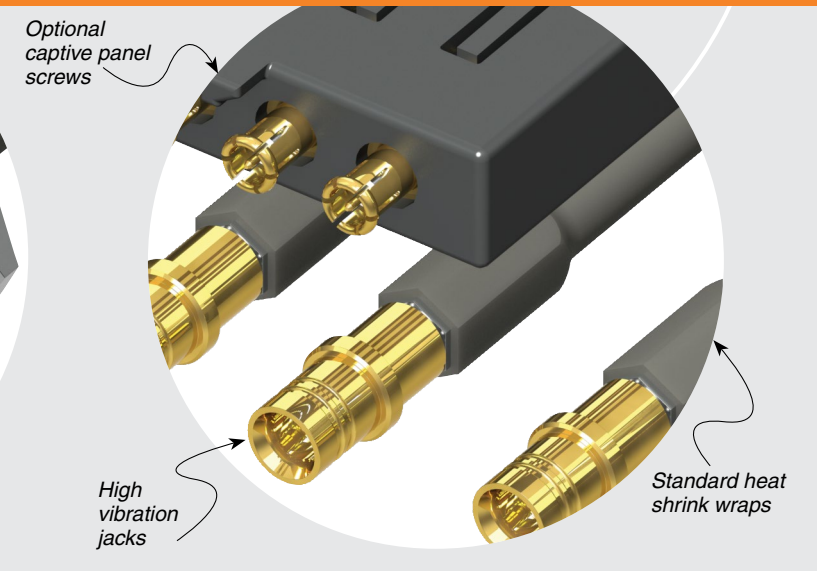
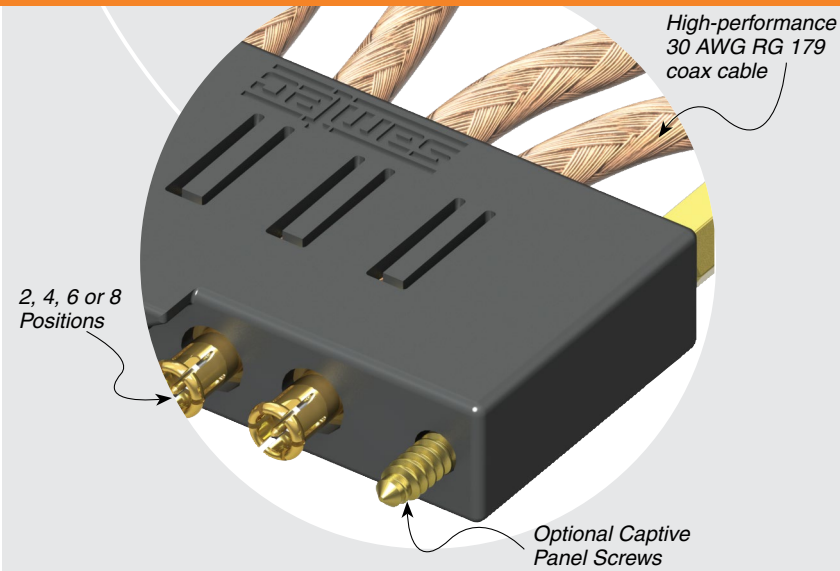
- Impedance:** 75 Ω ±3 Ω
- Capacitance:** 64 pF/meter
- Max Attenuation (cable only):** 0.8 dB @ 1 GHz for 1 meter
- Conductor Size:** 30 AWG, (0.31 mm) .012" dia.
- Conductor Material:** Silver Plated Copper
- Insulator Material:** PTFE
- Shield Material:** Silver Plated Copper
- Jacket Material:** FEP
- Jacket Diameter:** (2.54 mm) .100"
- Jacket Color:** Amber
- Bend Radius:** 10.2 mm
- RoHS Compliant:** Yes

**RECOGNITIONS**

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



**Mates with:** GRF7-J, MCX7, MMCX7, SMB7H, DIN7A, BNC7T



| END OPTIONS   |  | END OPTIONS   |  |
|---|--|---|--|
| <b>-73SP1 = 75 Ω MMCX7</b><br>Straight Plug<br>(30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)                |  | <b>-72SP1 = 75 Ω MCX</b><br>Straight Plug<br>(30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)    |  |
| <b>-73SJ1 = 75 Ω MMCX7</b><br>High Vibration Straight Jack<br>(30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell) |  | <b>-72RP1 = 75 Ω MCX</b><br>Right-angle Plug<br>(30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell) |  |

| END OPTIONS   |  | END OPTIONS   |  |
|---|--|---|--|
| <b>-77RP1 = 75 Ω SMB</b><br>Right-angle Plug<br>(30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell) |  | <b>-74BJ3 = 75 Ω BNC</b><br>Straight Bulkhead Jack<br>(10 μ" (0.25 μm) Gold on Center Contact, Nickel on Shell) |  |
| <b>-77SP1 = 75 Ω SMB</b><br>Straight Plug<br>(30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)    |  | <b>-74SP3* = 75 Ω BNC</b><br>Straight Plug<br>(10 μ" (0.25 μm) Gold on Center Contact, Nickel on Shell)         |  |
| <b>-78SP4 = 75 Ω DIN</b><br>Straight Plug<br>(10 μ" (0.25 μm) Gold on Center Contact, Nickel on Shell)        |  | (*Die Cast also available = -D4SP3)   |  |

**Notes:**  
Cable lengths longer than 40.00" (1 meter) are not supported with S.I. test data.  
This series is non-standard, non-returnable.