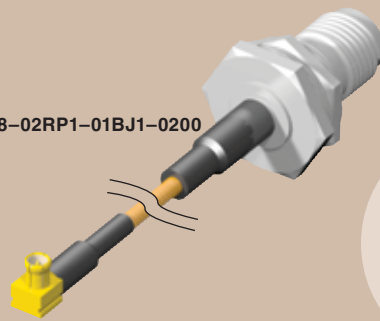
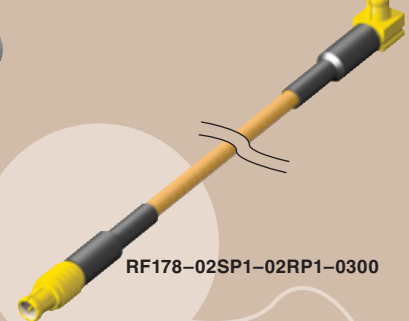


RF178-02RP1-01BJ1-0200



RF178-02SP1-02RP1-0300



RG 178 RF CABLE ASSEMBLIES RF178 SERIES

SPECIFICATIONS

For complete specifications see www.samtec.com?RF178

RF Connector:

- Shell Material:** Brass
- Contact Material:** Brass
- Operating Temperature:** -65°C to +165°C
- Voltage Rating:** 170V max
- Dielectric Withstanding Voltage:** 750 Vrms
- Contact Resistance:** Center Contact: 6mΩ max
Outer Contact: 2mΩ max
- Insulator Resistance:** 5,000 MΩ
- Impedance:** 50Ω
- RoHS Compliant:** Yes

RG 178 Cable:

- Impedance:** 50Ω
- Capacitance:** 89.61 pF/meter
- Propagation Delay:** 4.83 nsec/meter
- Max Attenuation (cable only):** 1.7dB @ 1GHz for 1 meter
- Conductor Size:** 30 AWG, (0,31mm) .012" dia.
- Conductor Material:** Silver Plated Copper
- Conductor Resistance:** 0.34Ω/meter max
- Current Rating:** 3A
- Insulator Diameter:** (0,86mm) .034"
- Insulator Material:** PTFE
- Dielectric Constant:** 2.1dK
- Shield Material:** Silver Plated Copper Clad Steel
- Jacket Material:** FEP
- Jacket Diameter:** (1,80mm) .071"
- Jacket Temp Rating:** -50°C to +250°C
- Jacket Color:** Amber
- RoHS Compliant:** Yes

ALSO AVAILABLE

Cable components.
Additional End
Connector combinations.
Call Samtec.

RF Cable Builder

Quickly...Build a cable.
Verify a part number.
View print, Request price,
Order sample...all online!

www.samtec.com/rfbuilder

Light Gauge 30 AWG
RG 178 coax cable

MCX and MMCX Plugs and
SMA Bulkhead Jack
End Options

2.1dK

Standard Heat Shrink

Single or Double
Ended

CABLE
TYPE

END 1
CONNECTOR

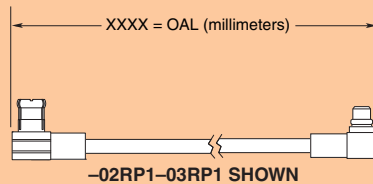
END 2
CONNECTOR

OVERALL
LENGTH

RF178
= RG 178 Cable

Specify
END OPTIONS
from chart

— "XXXX"
= Overall Length
in millimeters
—0100 (100mm)
3.94" minimum



| END OPTIONS | |
|--|--|
| -01BJ1 = SMA, Bulkhead Jack | |
| -01BR1 = SMA, Bulkhead Jack, Reversed Polarity | |

| END OPTIONS | |
|--------------------------------------|--|
| -02SJ1 = MCX, Straight Jack | |
| -02RP1 = MCX, Right Angle Plug | |
| -02SP1 = MCX, Straight Plug | |
| -03SP1 = MMCX, Straight Plug | |
| -03RP1 = MMCX, Right Angle Plug | |
| -SING = Single-Ended (End 2 Callout) | |

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM