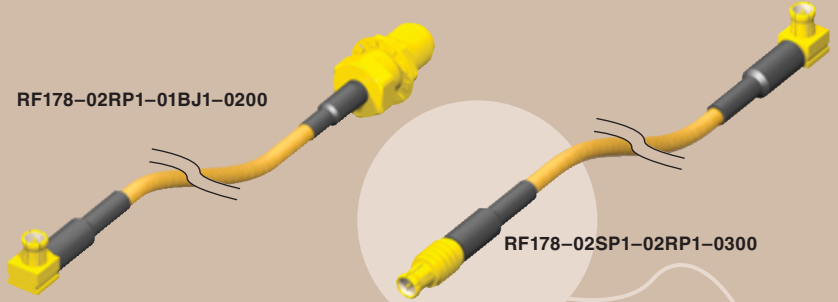


RF178-02RP1-01BJ1-0200



RF178-02SP1-02RP1-0300

RF178 SERIES

50Ω RG 178 CABLE ASSEMBLIES

SPECIFICATIONS

For complete specifications see www.samtec.com?RF178

RF Connector:

Outer Contact Material:
Au plated Brass (SMA)
Au plated BeCu (MCX & MMCX)

Center Contact Material:

Au plated Brass (MCX-P & MMCX-P)
Au plated BeCu (SMA-J & MCX-J)

Insulator Material:

PTFE

Operating Temperature:

-50°C to +165°C

Frequency Range:

0-6 GHz

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 DC

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 +165°C

Jacket Color:

Amber

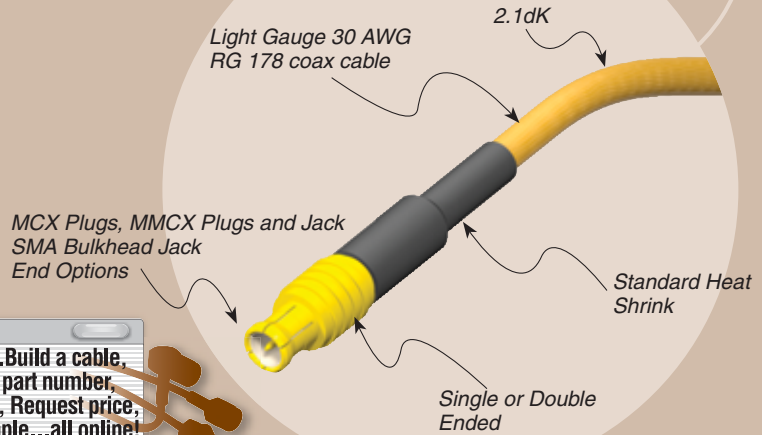
RoHS Compliant: Yes

Mates with:
MCX, MMCX

RF Cable Builder

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

www.samtec.com/rfbuilder



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, Straight Bulkhead Jack	
-01BR1 = SMA, Straight Bulkhead Jack, Reversed Polarity (30µ" (0,76µm) Gold on Center Contact, Gold Flash on Shell)	
-01SB1 = SMA, Sealed Straight Bulkhead Jack	
-01SR1 = SMA, Sealed Bulkhead Jack, Reversed Polarity (30µ" (0,76µm) Gold on Center Contact, Gold Flash on Shell)	
-02SJ1 = MCX, Straight Jack (30µ" (0,76µm) Gold on Center Contact, Gold Flash on Shell)	
-02RP1 = MCX, Right Angle Plug (30µ" (0,76µm) Gold on Center Contact, Gold Flash on Shell)	

END OPTIONS	
-02SP1 = MCX, Straight Plug (30µ" (0,76µm) Gold on Center Contact, Gold Flash on Shell)	
-03SP1 = MMCX, Straight Plug (30µ" (0,76µm) Gold on Center Contact, Gold Flash on Shell)	
-03RP1 = MMCX, Right Angle Plug (30µ" (0,76µm) Gold on Center Contact, Gold Flash on Shell)	
-SING = Single-Ended (End 2 Callout)	
XXXXXX = Stripped & Tinned (End 2 callout)	

STRIPPED & TINNED (Dimensions in mm)			
CALLOUT	A	B	C
-303030	3.0	3.0	3.0
-303040	3.0	3.0	4.0
-403030	4.0	3.0	3.0
-403040	4.0	3.0	4.0
-404040	4.0	4.0	4.0

Both center conductor and braid shield are Stripped and Tinned.
Call Samec for other sizes.

ALSO AVAILABLE

- Connector Kits.
- Additional end connector combinations.
- Additional plating options available. Call Samtec.

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

WWW.SAMTEC.COM

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 SAMTEC SILICON VALLEY • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329 SAMTEC UK • Tel: 44 01236 739292
 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0 SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292
 SAMTEC ISRAEL • Tel: 972-3-7526600 SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-61103766
 SAMTEC TAIWAN • Tel: 886-2-2735-6109 SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC SOUTH AFRICA • Tel: 27 11 452 8112 SAMTEC ANZ • Tel: 613 9512 7747