



# RG 178 & RG 058 RF CABLES

RF178,  
RF058

## SPECIFICATIONS

For complete specifications see [www.samtec.com?RF178](http://www.samtec.com?RF178)

**Cable:**  
50Ω RG 178  
(See RF Cable Selector for details)  
**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  
**Contact Resistance (RF058):**  
Center Contact: 3mΩ max  
Outer Contact: 2mΩ max  
**Insulator Resistance:**  
5,000 MΩ  
**RoHS Compliant:**  
Yes

CABLE TYPE	END 1 CONNECTOR	END 2 CONNECTOR	OVERALL LENGTH
<b>RF178</b> = RG 178 Cable	Specify END OPTIONS from chart		- "XXXX" = Overall Length in millimeters -0100 (100mm) 3.94" minimum
<b>END OPTIONS</b>			
-01BJ1 = SMA, Bulkhead Jack			
-01BJ2 = SMA, Bulkhead Jack, Reversed Polarity			
-02SJ1 = MCX, Straight Jack			
		<b>END OPTIONS</b>	
		-02RP1 = MCX, Right Angle Plug	
		-02SP1 = MCX, Straight Plug	
		-03SP1 = MMCX, Straight Plug	
		-03RP1 = MMCX, Right Angle Plug	
		-SING = Single-Ended (End 2 Callout)	

**ALSO AVAILABLE**

Cable components. Additional End Connector combinations. Call Samtec.

## SPECIFICATIONS

For complete specifications see [www.samtec.com?RF058](http://www.samtec.com?RF058)

**Cable:**  
50Ω RG 58  
(See RF Cable Selector for details)  
**Shell Material:**  
Brass  
**Contact Material:**  
Brass, (-P)  
Phosphor Bronze (-J)  
**Insulator Material:**  
Teflon  
**Impedance:**  
50Ω  
**Frequency Range:**  
0-11 GHz  
**V.S.W.R.:**  
1.3 max  
**Working Voltage:**  
1000 Vrms max (NTPE),  
500 Vrms max (TNC)  
**Dielectric Withstanding:**  
2500 Vrms min (NTPE),  
1500 Vrms min (TNC)  
**Contact Resistance:**  
Center Contact: 3mΩ max  
Outer Contact: 2mΩ max  
**Insulator Resistance:**  
5,000 MΩ  
**RoHS Compliant:**  
Yes

CABLE TYPE	END 1 CONNECTOR	END 2 CONNECTOR	OVERALL LENGTH
<b>RF058</b> = RG 58 Cable	Specify END OPTIONS from chart		- "XXXX" = Overall Length in millimeters -0100 (100mm) 3.94" minimum
<b>END OPTIONS</b>			
-05SPR = TNC, Reversed Polarity Straight Plug			
-06SP1 = N Type, Straight Plug			
		-SING = Single Ended (End 2 Callout)	

**ALSO AVAILABLE**

Cable components. Call Samtec.

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

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