

# RG 58 RF CABLE ASSEMBLIES RF058 SERIES

## SPECIFICATIONS

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

### RF Connectors:

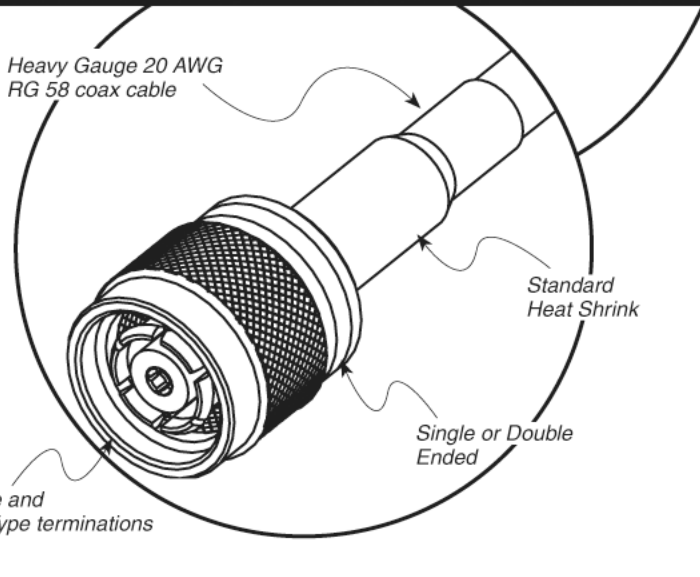
- Shell Material:**  
Brass
- Contact Material:**  
Brass (-P),  
Phosphor Bronze (-J)
- Insulator Material:**  
Teflon
- Impedance:**  
50Ω
- Frequency Range:**  
0-11 GHz
- V.S.W.R.:**  
1.3 max
- Working Voltage:**  
1000 Vrms max (NTPE),  
500 Vrms max (TNC)
- Dielectric Withstanding:**  
2500 Vrms min (NTPE),  
1500 Vrms min (TNC)
- Contact Resistance:**  
Center Contact: 3mΩ max  
Outer Contact: 2mΩ max
- Insulator Resistance:**  
5000 MΩ min
- RoHS Compliant:**  
Yes

### RG 58 Cable:

- Impedance:**  
50Ω
- Capacitance:**  
101pF/meter
- Max Attenuation (cable only):**  
0.7dB @ 1GHz for 1 meter
- Conductor Size:**  
20 AWG, (0.91mm) .036" dia.
- Conductor Material:**  
Tinned Copper
- Insulator Diameter:**  
(2.95mm) .116"
- Insulator Material:**  
PE
- Shield Material:**  
Tinned Copper
- Jacket Material:**  
PVC
- Jacket Diameter:**  
(3.91mm) .154"
- Jacket Temp Rating:**  
-40°C to +90°C
- Jacket Color:**  
Amber
- RoHS Compliant:**  
Yes

## ALSO AVAILABLE

Cable components.  
Call Samtec.



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 to -1000 (100mm) 3.94" to (1000mm) 39.37"
<b>END OPTIONS</b>			
-05SPR = TNC, Reversed Polarity Straight Plug			
-06SP1 = N Type, Straight Plug			
-SING = Single Ended (End 2 Callout)			

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

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