

RF058-01SP1-01SP1-0100



RF058-05SR3-05SR3-0100

RF058 SERIES

# 50Ω RG 58 CABLE ASSEMBLIES

## SPECIFICATIONS

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

### RF Connector:

**Outer Contact Material:**  
Ni plated Brass (TNC, N Type),  
Au plated Ni (SMA)

**Center Contact Material:**  
Au plated Ni (TNC, N Type),  
Au plated Brass (SMA)

**Insulator Material:**  
PTFE

**Insulator Resistance:**  
5,000 MΩ

**Frequency Range:**  
0~1 GHz

**Impedance:**  
50Ω

**RoHS Compliant:**  
Yes

### RG 58 Cable:

**Impedance:**  
50Ω

**Capacitance:**  
101pF/meter

**Max Attenuation**  
(cable only):  
0.8dB @ 1 GHz

**Conductor Size:**  
20 AWG, (0.90 mm) .036" dia.

**Conductor Material:**  
Tinned Copper

**Insulator Diameter:**  
(2.95 mm) .116"

**Insulator Material:**  
Solid Polyethylene

**Shield Material:**  
Tinned Copper

**Jacket Material:**  
PVC

**Jacket Diameter:**  
(4.95 mm) .195" dia.

**Bend Radius:**  
48.3 mm

**Jacket Temp Rating:**  
-40°C to +85°C

**RoHS Compliant:**  
Yes

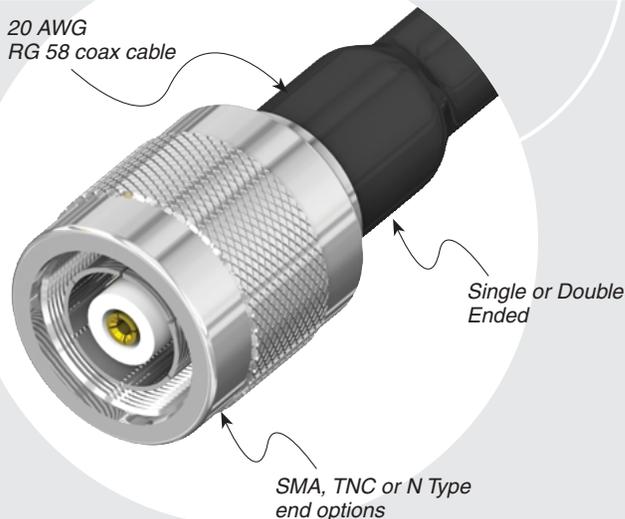
**Mates with:**  
TNC, SMA, NTPE

## THINK OUTSIDE THE CATALOG

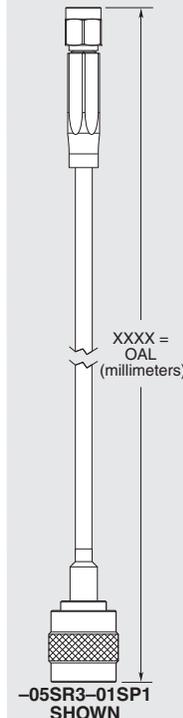
- Create a full system: cable assembly and board level mates, 50Ω and 75Ω solutions
- 24-hour samples on standard products
- Visit: [rf.samtec.com](http://rf.samtec.com)



20 AWG  
RG 58 coax cable



Specify END OPTIONS from chart



-05SR3-01SP1 SHOWN

END OPTIONS	
-01SP1 = SMA Straight Plug (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Outer Contact and Shell)	
-05SR3 = TNC Reversed Polarity Straight Plug (10μ" (0.25 μm) Gold on Center Contact, Nickel on Shell)	
-06SP3 = N Type Straight Plug (10μ" (0.25 μm) Gold on Center Contact, Nickel on Shell)	
-01BJ1 = SMA Straight Bulkhead Jack -01SB1 = SMA Straight Bulkhead Jack, Sealed (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Outer Contact and Shell)	
-SING = Single Ended (End 2 Callout)	
-XXXXXX = Stripped & Tinned (End 2 Callout)	

–“XXXX”  
= Overall Length  
in millimeters  
–0100 (100 mm) 3.94"  
minimum

### 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, only the center conductor is tinned.

## ALSO AVAILABLE (MOQ Required)

- Additional stripping and tinning options
  - Additional plating options
  - Additional end connector options
- Contact Samtec.

## OTHER SOLUTIONS

- Cable connector kits (see cable components catalog pages)