



50 Ω RG 58 CABLE ASSEMBLIES

SPECIFICATIONS

For complete specifications see 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

Frequency Range:
0-1 GHz

Impedance:
50 Ω

RoHS Compliant:
Yes

RG 58 Cable:

Impedance:
50 Ω

Capacitance:
102 pF/meter

Max Attenuation

(cable only):
0.8 dB @ 1 GHz
Conductor Size:
20 AWG, (0.90 mm) .036" dia.

Conductor Material:

Tinned Copper

Insulator Diameter:

(3.00 mm) .076"

Insulator Material:

Solid Polyethylene

Shield Material:

Tinned Copper

Jacket Material:

PVC

Jacket Diameter:

(5.00 mm) .197" dia.

Bend Radius:

48.3 mm

Jacket Temp Rating:

-50 °C to +90 °C

RoHS Compliant:

Yes

Mates with:
TNC, SMA



Solutionator
DESIGN IN A MINUTE

- Create a full system: cable assembly and board level mates, 50 Ω and 75 Ω solutions
- Free samples available
- Visit: rf.samtec.com

20 AWG
RG 58 coax cable



Single or Double Ended

SMA, TNC or N Type end options

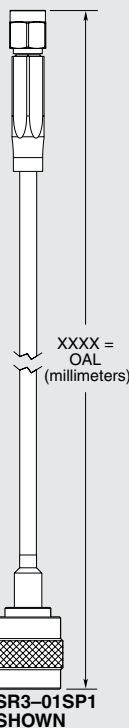
RF058

END 1
CONNECTOR

END 2
CONNECTOR

OVERALL
LENGTH

Specify END OPTIONS from chart



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

ALSO AVAILABLE (MOQ Required)

- Additional stripping and tinning options
- Additional plating options
- Additional end connector options

OTHER SOLUTIONS

- Cable connector kits (see cable components catalog pages)

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.