samtec



RF058 SERIES

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

ALSO AVAILABLE (MOQ Required)

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

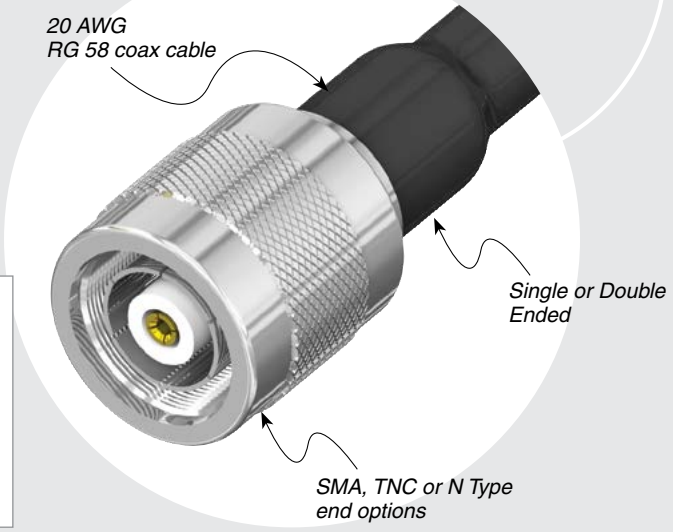
OTHER SOLUTIONS

- Cable connector kits (see cable components catalog pages)

Mates with:
TNC, SMA

Solutionator
DESIGN IN A MINUTE

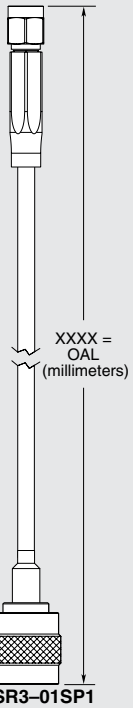
- Create a full system: cable assembly and board level mates, 50 Ω and 75 Ω solutions
- Free samples available
- Visit: rf.samtec.com



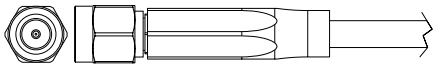
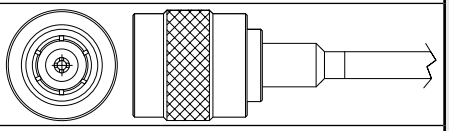
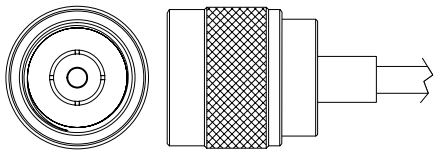
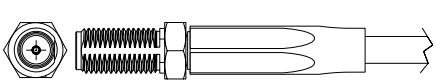
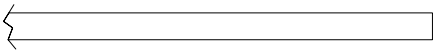
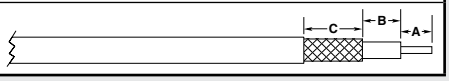
RF058	–	END 1 CONNECTOR	–	END 2 CONNECTOR	–	OVERALL LENGTH

Specify END OPTIONS from chart

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



–05SR3–01SP1 SHOWN

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)	

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.

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

All parts within this catalog are built to Samtec's specifications.
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

samtec:

IPBT-103-H1-T-S-RA-K ESQ-106-33-L-D BBL-102-T-E PCIE-164-02-F-D-TH SQT-120-01-L-D-RA
TSW-111-07-G-D FJ-15-D-15.75-4 LSS-140-01-L-DV-A MMS-114-02-L-DV SEAF-20-06.5-S-06-2-A-K-TR
HTST-108-01-L-DV-P-TR CLM-104-02-F-D-BE ERF8-035-05.0-L-DV-K-TR SFM-115-02-S-D-A-P
TFM-115-02-L-D-LC TSW-150-08-T-S ISDF-06-S-R MMS-110-01-L-SV SLM-118-01-G-S
SQT-110-01-L-S-RA FTE-110-01-G-DV FTS-102-02-F-DV-TR FTSH-110-01-L-D-K HTSS-110-04-S-D-RA
MMT-110-01-L-DH TSDF-03-S-S TSW-103-07-T-D CES-108-02-T-S CES-112-01-T-S IPBS-115-01-T-D-GP