



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

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



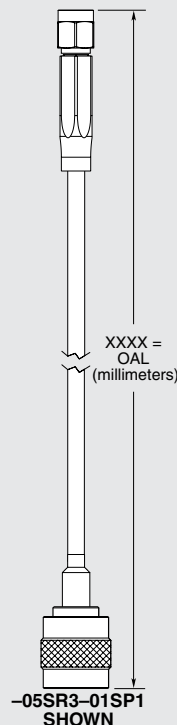
Single or Double
Ended

SMA, TNC or N Type
end options

RF058

END 1
CONNECTOREND 2
CONNECTOROVERALL
LENGTH

Specify END OPTIONS from chart



-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)	

— "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.

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

WWW.SAMTEC.COM

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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

RF058-06SP2-06SP2-0458	RF058-05SR3-05SR3-3000	RF058-05SR3-06SP2-0500	RF058-06SP3-01SP1-0650
RF058-06SP3-06SP3-0310	RF058-05SR3-01SP1-0700	RF058-06SP2-06SP2-0400	RF058-06SP2-06SP2-0500
RF058-06SP2-06SP2-0305	RF058-06SP2-06SP2-6000	RF058-05SR3-05SR3-0100	RF058-06SP2-05SR3-1000
RF058-05SR3-01SP1-3000	RF058-06SP2-06SP2-0762	RF058-05SR3-SING-5000	RF058-06SP2-06SP2-0100
RF058-05SR3-05SR3-2000	RF058-05SR3-06SP2-1000	RF058-06SP3-06SP3-1000	RF058-06SP3-06SP3-3000
RF058-05SR3-05SR3-0500	RF058-06SP2-06SP2-1000	RF058-05SR3-05SR3-5000	RF058-06SP2-01SP1-0500
RF058-06SP3-06SP3-0700	RF058-06SP2-303030-0100	RF058-06SP3-SING-2000	RF058-05SR3-05SR3-0200
RF058-06SP2-06SP2-1500	RF058-05SR3-05SR3-0914	RF058-05SR3-06SP3-1500	RF058-06SP2-06SP2-9800
RF058-05SR3-05SR3-9144	RF058-06SP2-01SB1-2000	RF058-06SP2-05SR3-0400	RF058-06SP3-01SP7-1500
RF058-06SP2-01SP1-0610	RF058-06SP3-06SP3-0460	RF058-05SR3-06SP2-0300	RF058-05SR3-06SP2-3000
RF058-06SP2-06SP2-0250	RF058-06SP2-05SR3-0915	RF058-06SP3-01BJ1-9999	RF058-06SP2-303030-0300
RF058-05SR3-01SP1-1000	RF058-06SP2-01SP1-1000	RF058-06SP3-06SP3-2000	RF058-06SP2-01BJ1-1000
RF058-05SR3-06SP2-0800	RF058-05SR3-06SP2-2000	RF058-06SP2-303030-0350	RF058-06SP2-05SR3-0800
RF058-06SP2-06SP2-0152	RF058-06SP3-01BJ1-0100	RF058-06SP3-01SP1-0500	RF058-05SR3-01BJ1-0100
RF058-05SR3-01SP1-0500	RF058-06SP2-01SP1-0152	RF058-06SP2-01SP1-0300	RF058-05SR3-05SR3-0120
RF058-06SP2-01SP1-0100	RF058-05SR3-05SR3-0999	RF058-06SP3-06SP3-0200	RF058-05SR3-01SP1-1500
RF058-05SR3-01SP7-0610	RF058-06SP3-06SP3-0500	RF058-06SP3-06SP3-3810	RF058-06SP2-303030-1219
RF058-06SP2-06SP2-0508	RF058-06SP3-01SP1-0200	RF058-06SP2-06SP2-0203	RF058-06SP2-06SP2-0914
RF058-06SP2-06SP2-2439	RF058-06SP3-01SP1-0900	RF058-06SP3-SING-1000	RF058-06SP3-01SB1-0200
RF058-05SR3-01SP1-1829	RF058-06SP3-SING-0900	RF058-05SR3-01SB1-0300	RF058-05SR3-06SP3-5000
RF058-06SP2-01SP1-0200	RF058-06SP3-01BJ1-0230	RF058-05SR3-06SP2-2500	RF058-05SR3-SING-3000