

# DATA SHEET

## RG-58/U MIL C17



[www.ssb-electronic.com](http://www.ssb-electronic.com)

### Description

RG-58/U is a flexible, universal 50 Ω coaxial cable with an outer diameter of 4.95 mm for a wide range of high-frequency applications. RG-58/U is single shielded and has a black PVC outer jacket. Manufacturing according to the American MIL-C-17 standard ensures high robustness, constant performance and a long service life of the cable.



### Applications

RG-58/U is suitable for antenna, cellular and communication systems. RG-58/U can also be used in radio and reception technology, in amateur radio and CB radio, in WLAN systems, in measurement and testing technology as well as in electronics.

### Technical data

Inner conductor	Stranded tinned copper
Inner conductor $\varnothing$	19 x 0,18 mm
Insulation	Polyethylene
Insulation $\varnothing$	2,95 mm
Shield	Tinned copper wires braid
Physical coverage	> 94 %
Outer sheath	PVC black / UV resistant
Outer diameter	4,95 ± 0,15 mm
Temperature range	-40 to +80°C Fixed installation -15 to +80°C Moved
Standards	Manufactured according to MIL-C-17/28C Flame retardant according to DIN EN 60332-1-2 RoHS compliant

### Electrical characteristics

Impedance	50 ± 2 Ω
Max. operating frequency	1 GHz
Capacitance	< 100 pF/m
Velocity factor	0,66
Electrical resistance of inner conductor	< 41 Ω/km
Spark Tester voltage	5000 V r.m.s.
Typ. attenuation	50 MHz: < 13,1 dB/100 m 100 MHz: < 21,4 dB/100 m 400 MHz: < 55,8 dB/100 m 1000 MHz: < 92 dB/100 m