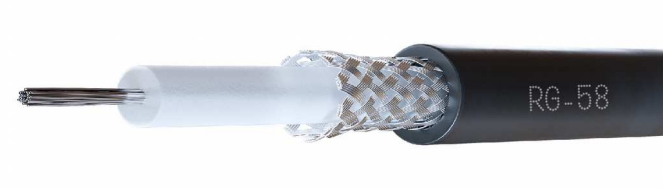
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DATA SHEET

RG-58/U MIL C17

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 ⌀	19 x 0,18 mm
Insulation	Polyethylene
Insulation ⌀	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

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