

DATA SHEET

RG-174/U MIL C17



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Description

RG-174/U is a thin, very flexible, universal 50 Ω coaxial cable for many high frequency applications. RG-174/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-174/U is suitable for short connections in radio technology as well as for device-internal connections in electronics. RG-174/U is also a good choice for use in antenna and WLAN systems, in wireless transmission systems, in computer, measurement and audio applications.

Technical data

Inner conductor	Stranded copper-covered steel wire (CCS)
Inner conductor \varnothing	7 x 0,16 mm
Insulation	Polyethylene (PE)
Insulation \varnothing	1,5 mm
Shield	Tinned copper wires braid
Physical coverage	> 90 %
Outer sheath	PVC black / UV resistant
Outer diameter	2,8 \pm 0,15 mm
Temperature range	-40 to +80°C Fixed installation -15 to +80°C Moved
Standards	Manufactured according to MIL-C-17/119 Flame retardant according to DIN EN 60332-1-2 RoHS compliant

Electrical characteristics

Impedance	50 \pm 2 Ω
Max. frequency	1 GHz
Capacitance	< 100 pF/m
Velocity factor	0,66
Electrical resistance of inner conductor	< 317 Ω /km
Spark Tester voltage	2000 V r.m.s.
Typ. attenuation	50 MHz: < 21,3 dB/100 m 100 MHz: < 32,8 dB/100 m 400 MHz: < 82 dB/100 m 1000 MHz: < 148 dB/100 m