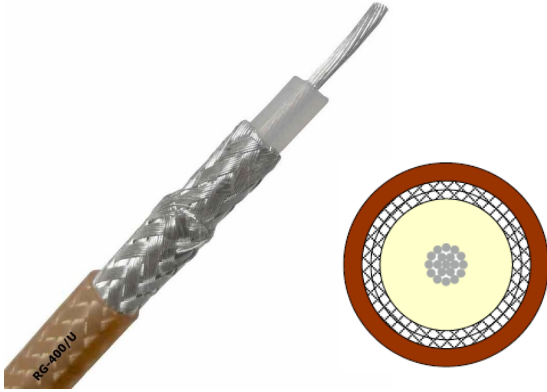


DATA SHEET

RG-400/U Coaxial Cable



www.ssb-electronic.de



Description

RG-400/U is a robust and heat-resistant 50 Ω coaxial cable with an outer diameter of 4.5 mm for a wide range of high-frequency applications. RG-400/U is double shielded and has an FEP outer jacket. RG-400/U is very resistant to chemicals and environmental influences.

Applications

RG-400/U is suitable for radio and antenna systems, for use in measurement technology as well as for medical and military applications.

Technical data

Inner conductor	Stranded silver-plated copper 19 x 0,19 mm (20 AWG)
Insulation	Perfluorethylenpropylen FEP Ø 2,95 mm
Shield 1	Silver-plated copper wires, 38 AWG, coverage 95%
Shield 2	Silver-plated copper wires, 38 AWG, coverage 95%
Jacket	Perfluorethylenpropylen FEP, wall thickness about 0,3 mm
Outer diameter	4,5 ± 0,1 mm
Temperature range	-50 to +205°C
Min. bending radius	4 × Ø single, 8 × Ø repeated
Weight	51 kg/km
Standards	Conductor/Screen material acc.to DIN EN 13602 Cu-ETP-A Insulating material acc. to DIN VDE 0207, compound type 6Y11 Jacket material acc. to DIN VDE 0207, compound type 6YM1

Electrical characteristics

Impedance	50 ± 3 Ω
Max. frequency	2 GHz
Capacitance	≈ 94 nF/km
Conductor resistance	≤ 37 Ω/km
Insulation resistance	≥ 10 GΩ*km
Screening efficiency 10 MHz	≥ 90 dB
Attenuation typ. / Mean. Power (at 40 °C)	10 MHz: 4,2 dB/100 m, 50 MHz: 11,0 dB/100 m 100 MHz: 15,0 dB/100 m 400 MHz: 35,0 dB/100 m / 450 W 1000 MHz: 63,0 dB/100 m / 277 W 1500 MHz: 80,0 dB/100 m / 211 W 2000 MHz: 105,0 dB/100 m / 185 W
Test voltage (wire/screen)	1000 V