

HAELink Supply Inc.

RG58/U COAXIAL CABLE

Product Specification



Product Description

50-ohm RG58/U coaxial cable for RF signal transmission, communication equipment, antenna connections, test equipment and other low-power radio-frequency applications.

Construction

Item	Dimension / Construction	Material
Inner conductor	Ø 0.815 mm	Copper (Cu)
Insulation	Ø 2.95 mm	PE
1st screening	Foil	Aluminum foil
2nd screening - option 1	64 × 0.12 mm	Copper (Cu)
2nd screening - option 2	96 × 0.12 mm	Copper (Cu)
2nd screening - option 3	112 × 0.12 mm	Copper (Cu)
Jacket	Ø 4.95 mm	PVC, White / Black

Electrical Characteristics

Parameter	Value
Characteristic impedance	50 Ω
Velocity factor	0.66
Capacitance	101 pF/m
DC resistance	53 Ω/km
Minimum bending radius	25 mm

Attenuation at 20°C

Frequency	Attenuation
100 MHz	13.0 dB/100 m
200 MHz	20.2 dB/100 m
300 MHz	25.4 dB/100 m
500 MHz	34.2 dB/100 m
800 MHz	46.0 dB/100 m
1000 MHz	51.8 dB/100 m

Packing

Packing Type	Length
Coil packing	100 m / 1000 ft
Carton box packing	100 m
Spool packing	1000 ft / 500 m

Note: Technical values are based on the supplied RG58/U reference specification. The source sheet does not state a screening-immunity value and does not provide attenuation values above 1000 MHz; these have therefore not been assumed.