

HAELink Supply Inc.

RG6/U QUAD SHIELD COAXIAL CABLE

Product Specification



Product Description

75-ohm RG6/U quad-shield coaxial cable designed for CATV, satellite, broadband, CCTV and RF signal transmission. The four-layer shielding construction provides enhanced protection against electromagnetic and radio-frequency interference.

Construction

Item	Dimension / Construction	Material
Inner conductor	Ø 1.02 mm	Copper (Cu)
Insulation	Ø 4.57 mm	Foamed PE
1st shield	Bonded foil	Aluminum foil
2nd shield	Braiding	Aluminum / Cu braid*
3rd shield	Foil	Aluminum foil
4th shield	Braiding	Aluminum / Cu braid*
Outer jacket	Approx. Ø 7.0-7.5 mm*	PVC, Black / White

Electrical Characteristics

Parameter	Value
Characteristic impedance	75 Ω
Velocity factor	0.80
Screening effectiveness	> 90 dB typical*
Minimum bending radius	Approx. 50 mm

Typical Attenuation at 20°C

Frequency	Attenuation
100 MHz	6.3 dB/100 m
200 MHz	9.2 dB/100 m
300 MHz	11.1 dB/100 m
500 MHz	14.0 dB/100 m
800 MHz	17.4 dB/100 m
1000 MHz	21.6 dB/100 m
1350 MHz	24.1 dB/100 m
1750 MHz	28.9 dB/100 m
2150 MHz	33.2 dB/100 m

Application & Packing

Application	CATV, satellite, broadband, CCTV and RF distribution
Standard packing	100 m / 305 m coil or reel; other lengths available on request
Jacket colour	Black standard; white or other colours available on request

* **Note:** The supplied image confirms a quad-shield RG6 construction but does not provide the exact braid material, braid coverage, outer diameter or measured screening performance. Items marked * should be confirmed with the factory before final customer release. Attenuation values follow the supplied RG6/U reference specification.