

# HAELink Supply Inc.

## RG6/U COAXIAL CABLE

Product Specification



### Product Description

75-ohm RG6/U coaxial cable for broadband video, CATV, satellite, CCTV and RF signal transmission. Foamed PE insulation with aluminum foil and copper braid shielding provides reliable signal performance.

### Construction

| Item                     | Dimension / Construction | Material           |
|--------------------------|--------------------------|--------------------|
| Inner conductor          | Ø 1.02 mm                | Copper (Cu)        |
| Insulation               | Ø 4.57 mm                | Foamed 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 6.8 mm                 | PVC, Black / White |

### Electrical Characteristics

| Parameter                | Value   |
|--------------------------|---------|
| Characteristic impedance | 75 Ω    |
| Screening immunity       | > 80 dB |
| Velocity factor          | 0.80    |
| Minimum bending radius   | 50 mm   |

### 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 |

### Packing

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

**Note:** Technical values are based on the supplied RG6/U reference sheet. Final production values and packing may be confirmed according to customer order and factory specification.