

# Coaxial Cable RG58C/U Type 5mm, Made to MIL-C-17D Spec - 100m roll 56MM-E58-100



*For the Best*

100m High quality 5mm 50 ohm RG58C/U Coaxial Cable for CB Radio systems. Suited for use with VHF and UHF radio systems with shorter cable runs between devices and computer networking.

## Features and Benefits

- » 100m RG58C/U Coaxial cable suitable for Radio Transmission, Amateur Radio and Base Radio Antenna Station
- » Impedance: 50 $\Omega$  Nom.
- » Velocity of propagation - 66%
- » Cut and terminate to the exact lengths required
- » Frequency range 30-1000MHz
- » Capacitance 98.4pF/M



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**56MM-E58-100 Specifications**

| Construction             | Material                           | Construction | OD     | Tolerance               | Pitch  |
|--------------------------|------------------------------------|--------------|--------|-------------------------|--------|
| Centre Conductor         | Twisted Anneald Tinned copper wire | 19/0.18mm    | 0.89   | OD±0.05 Strands ± 0.01  | 2ppi   |
| Insulation: (Dielectric) | Polyethylene                       | Solid        | 2.92mm | ±0.05                   |        |
| Shield                   | Tinned Copper Wire Braid           | 7/16/0.127mm | 3.49mm | OD ±0.05 Strands ± 0.01 | 12 ppi |
| Jacket (Sheath)          | Non Contaminating UV Stable PVC    | Extruded     | 4.95mm | OD ±0.05                |        |

**Mechanical Characteristics**

|                                 |               |
|---------------------------------|---------------|
| Net Cable Weight                | 3.6kg/100m    |
| Cable weight (incl spool)       | 3.9kg/100m    |
| Max Recommended pulling tension | 19kg          |
| Minimum Band Radius             | 25mm          |
| Operating Temperture            | -40° to +80°C |

**Electrical Characteristics**

|                           |               | Attenuation     |         | Average Power |
|---------------------------|---------------|-----------------|---------|---------------|
|                           |               | Frequency (MHz) | dB/100m | Watts         |
| Capacitance               | 98.4pF/M      |                 |         |               |
| Impedance                 | 50ΩNom        |                 |         |               |
| Velocity of propagation   | 66%           | 30              | 7.79    | 560           |
| Conductor DCR             | 35.4 Ohms/km  | 100             | 14.83   | 290           |
| Shield DCR                | 13.45 Ohms/km | 200             | 21.55   | 190           |
| Nom. Inductance           | 0.194 uH/m    | 400             | 31.79   | 105           |
| Peak Power                | 400W @ 150MHz | 500             | 34.78   | 89            |
| Nominal Delay             | 5.05ns/mtr    | 800             | 46.30   | 72            |
| Mazimum Operating Voltage | 1400v RMS     | 1000            | 52.92   | 60            |