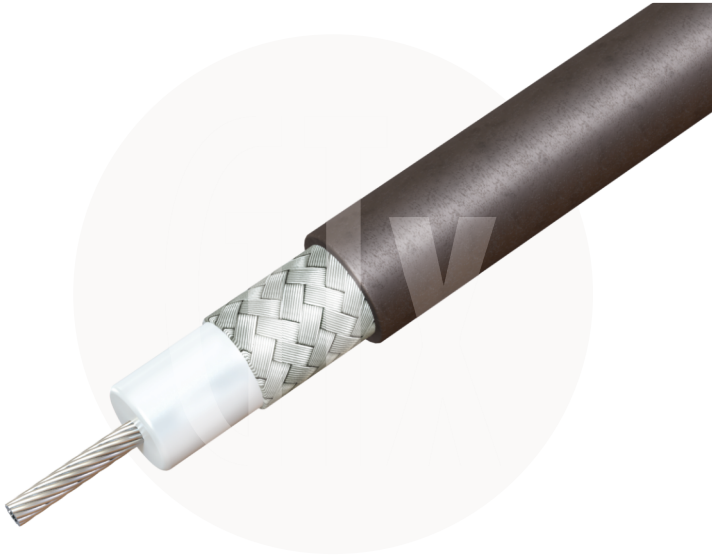


# RG58C/U

## Flexible Coaxial Cable



### Features

RG58 coaxial cable offers flexible stranded copper, solid PE dielectric, and 86% braid shielding. Compact, durable, and 50 ohm rated, it ensures reliable RF performance up to 3 GHz across varied applications.

### ELECTRICAL SPECIFICATIONS

|                         |             |
|-------------------------|-------------|
| Impedance               | 50 ohms     |
| Capacitance             | 94 pF/m     |
| Recommended Frequency   | DC to 3 GHz |
| Velocity of Propagation | 66%         |

### MATERIAL SPECIFICATIONS

|                 |   |
|-----------------|---|
| Inner Conductor | Stranded Tinned Copper (19 x 0.18mm)      |
| Dielectric      | Polyethylene (2.95mm)                     |
| Overall Braid   | Tin Plated Copper Clad Aluminium (3.58mm) |
| Jacket          | LSF (5mm)                                 |

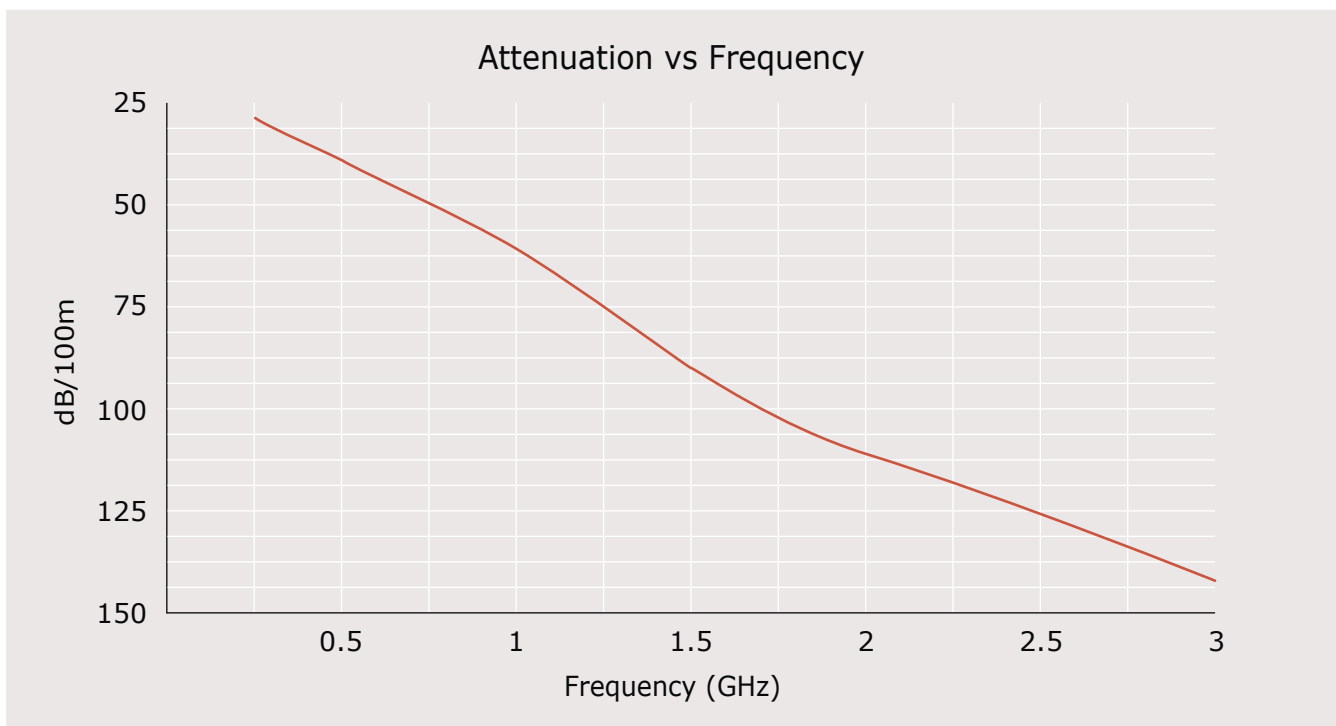
### MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

|                   |                                 |
|-------------------|---------------------------------|
| Bending Radius    | 50mm (Flexing), 12.4mm (Static) |
| RoHS Compliant    | Yes                             |
| Temperature Range | -40 to +80 degrees C            |
| Weight            | 38 g/m                          |

# RG58C/U

## Flexible Coaxial Cable

| FREQUENCY | ATTENUATION (per 100m) | AVERAGE POWER (W) |
|-----------|------------------------|-------------------|
| 50 MHz    | 10.65 dB               | 200               |
| 100 MHz   | 15.00 dB               | 140               |
| 200 MHz   | 22.60 dB               | 100               |
| 500 MHz   | 39.52 dB               | 55                |
| 1 GHz     | 63.47 dB               | 32                |
| 2 GHz     | 110.30 dB              | 18                |
| 3 GHz     | 142.00 dB              | 11                |



| ORDER CODES  | DESCRIPTION   |
|--------------|---------------|
| CX50-058-500 | 1 x 500m drum |
| CX50-058-100 | 1 x 100m drum |
| CX50-058-30  | 1 x 30m coil  |