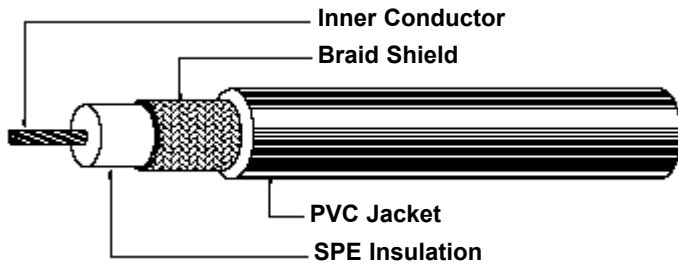




## Design:



## Cable Construction:

<b>Conductor</b>	: CCS
Conductivity	: 30%
Construction	: 0.58 ±0.01
Stranded diameter (mm)	: 0.58
<b>Insulation Layer</b>	: Solid PE
Thickness (mm)	: 1.56
Insulation diameter (±0.15 mm)	: 3.7
Insulation colour	: Natural
<b>Braiding (mm)</b>	: Copper clad aluminium
Construction	: 0.12 ±0.005 × 16 × 7
Braid coverage (%)	: 86%
<b>Jacket</b>	: PVC
Thickness (mm)	: 0.9
Diameter (±0.2 mm)	: 6.1
Jacket colour	: Black

## Electrical Characteristics:

Maximum conductor DC resistance at 20°C (Ω / Km)	: < 235
Minimum insulation DC resistance at 20°C (MΩ × KM)	: > 1,000
Rated temperature (°C)	: 70
Rated voltage (V)	: 30
Capacitance (pF/m)	: < 70
Velocity ratio (%)	: 66.7
Impedance (Ω)	: 75 ±3

## Electrical Characteristics:

Attenuation at 20°C (-dB / 100 m) (±5%)

10 MHz	: 3.5
50 MHz	: 8.5
100 MHz	: 11.5
150 MHz	: 15.5
200 MHz	: 16.8
450 MHz	: 26
600 MHz	: 30.5
800 MHz	: 35.8
860 MHz	: 37.5
1,000 MHz	: 39.5

## Part Number Table

Description	Part Number
Cable, Coax, RG59BU,100 M	CBBR0442

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