

Coaxial Cable

RG58BU

pro-POWER



Features:

- Solid polyethylene insulated 1/0.8mm copper clad steel conductor
- Braid screen
- Black PVC sheathed overall to MIL-C17D
- Continuous length in 1m multiples

Specifications:

Coaxial Cable Type	: RG-58B/U
Impedance	: 50Ω
Approval Bodies	: MIL Spec
Attenuation @ 100MHz	: 1.7dB
Attenuation @ 1GHz	: 5.6dB
Nominal Outside Diameter	: 4.95mm
Jacket Material	: PE

Cable Construction:

Conductor	: Copper Clad Steel	: 0.813
Insulation	: Solid P. E.	: 2.95mm
First braiding	: Tinned Copper Wire Braid	: 0.11 × 112mm
Outer jacket	: PVC	: 4.95mm

Cable Properties:

Bending	: Min. Bending Radius	: Loaded	: 20 times cable OD
		: Unloaded	: 10 times cable OD
Tensile strength	: Max. Pulling Tension		: 126lbs
Temperature	: Operation		: -20 to +75°C
	: Installation		: 0 to +60°C

Electrical Characteristics:

Parameter Unit Value

Capacitance	: 100pF/m
Max. Voltage	: 15kV DC
Max. RF Working Voltage	: 2.5kV peak
Nominal Velocity of Propagation	: 66%
Nominal Conductor Resistance at 20/km	: 156
Nominal Shield Resistance at 20/km	: 15
Structural Return loss (100 - 1000MHz)	: >18dB
Sparker	: 4,000V AC
Dielectric Strength	: 2,500V AC

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Attenuation dB/100m:

Frequency	Max. Attenuation
1MHz	1.44
10MHz	4.6
50MHz	10.8
100MHz	16
400MHz	37.7
700MHz	55.8
900MHz	65.6
1,000MHz	60

Part Number Table

Description	Part Number
Cable, Coaxial, RG58BU	RG58BU PER M

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