

RG58A/U Type Coaxial Cable

PVC Sheath

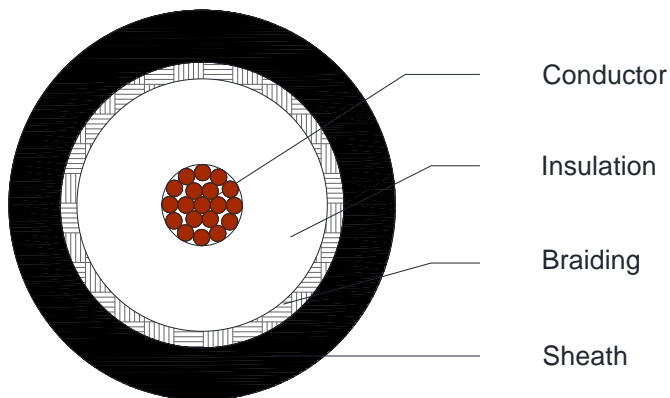


C1046

Application

Data transmission, RF communication, Broadcast or in Computer applications.

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper Wire
Insulation	Solid Polyethylene
Braid	Tinned Copper Wire
Sheath Material	Polyvinyl Chloride (PVC) Standard Colour: Black
Standard Put Up Length	305 - 500 or 1000 metres

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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Physical Characteristics

Part Number	C1046
Conductor Configuration(AWG)	20(19×33)
Nom. Diameter Conductor(mm)	0.89
Nom. Diameter Dielectric	2.95
Coverage Braid (%)	95
Nom. Overall Diameter(mm)	4.9
Operating Temperature (°C)	-20°C to +75°C
Max. Recommended Pulling Tension (N)	189
Min. Bend Radius (install)(mm)	50
Nominal Cable Weight (kg/km)	36

Electrical Characteristics at 20°C

Max.DC Resistance (Ω/km)	Max. DC Shield Resistance (Ω/km)	Impedance (Ω)	Nom. Inductance (μH/m)	Nom. Capacitance Conductor to Shield (pF/m)	Nom. Velocity Of Propagation (%)	Nom. Time Delay (ns/m)	Min. Return Loss 5 – 1000 MHz (dB)	Max. Operating Voltage (V RMS)
39	19	50 ± 3	0.30	100	66	5.05	23	300

Nom. Attenuation Table

Frequency (MHz)	Attenuation (dB/100m)
1	1.4
10	5.0
50	12.2
100	17.8
200	26.6

Frequency (MHz)	Attenuation (dB/100m)
400	40.7
700	58.1
900	69.3
1000	74.9

Reference Standards

IEC 60228
(BS) EN 50290-2
(BS) EN 50117
IEC 61196
RoHS directives