

# RG58A/U Type Coaxial Cable

PVC Sheath

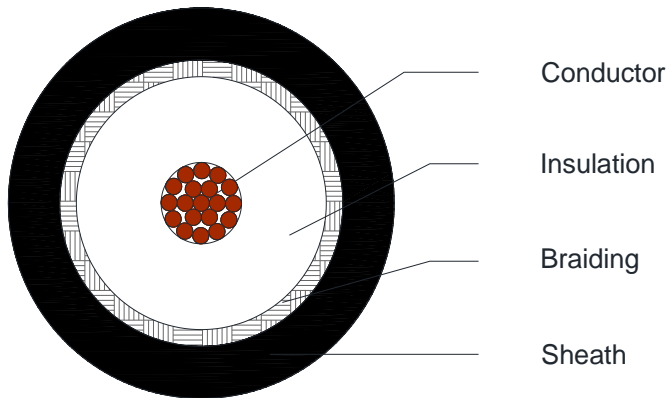


C1046

## 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