

RG2 I 4/U Type Coaxial Cable PVC Sheath

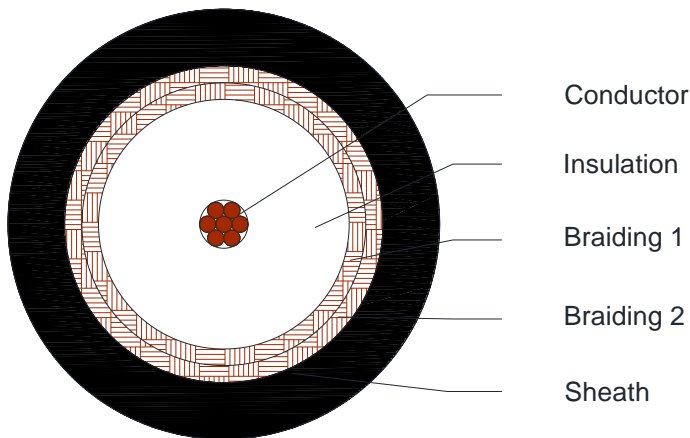


C1049

Application

RF and Broadcast transmission as well as in wireless communication applications.

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Bare Copper Wire
Insulation	Solid Polyethylene
Braid 1	Bare Copper Wire
Braid 2	Bare Copper Wire
Sheath Material	Polyvinyl Chloride (PVC) Standard Color: 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.

RG214/U Type Coaxial Cable PVC Sheath



C1049

Physical Characteristics

Part Number	C1049
Conductor Configuration(AWG)	13(7×21)
Nom. Diameter Conductor(mm)	2.26
Nom. Diameter Dielectric	7.24
Coverage Braid 1 (%)	95
Coverage Braid 2 (%)	95
Nom. Overall Diameter(mm)	10.8
Operating Temperature (°C)	-40°C to +80°C
Max. Recommended Pulling Tension (N)	820
Min. Bend Radius (install)(mm)	110
Nominal Cable Weight (kg/km)	191

Electrical Characteristics at 20°C

Max. DC Resistance (Ω/km)	Max. DC Shield Resistance (Ω/km)	Impedance (ohms)	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 / 1000 – 2500 MHz (dB)	Max. Operating Voltage (V RMS)
6.0	2.5	50 ± 3	0.25	101	66	5.05	20/18	300

Nom. Attenuation Table

Frequency (MHz)	Attenuation (dB/100m)
1	0.41
10	1.81
50	4.27
100	6.23
200	8.86

Frequency (MHz)	Attenuation (dB/100m)
400	13.45
700	21.32
900	24.92
1000	26.23
4000	65.58

Reference Standards

IEC 60228
(BS) EN 50290-2
MIL-C-17, M17/075
IEC 61196
RoHS directives