

RG-178B/U Coaxial Cable

FEP Sheath

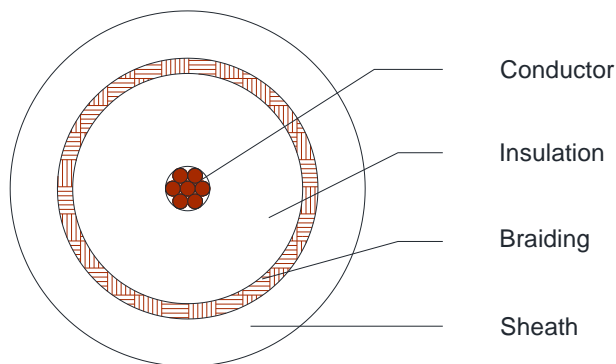


C1317

Applications

This cable is used for RF, PCB and Panel interconnect applications.

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Silver Plated Copper Clad Steel
Dielectric	Natural PTFE (Teflon)
Braid	Silver Plated Copper Wire
Sheath Material	Fluorinated Ethylene Propylene (FEP) Standard Color: White
Standard Put Up Length	100 Meters

*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	C1317
Conductor Configuration(AWG)	30(7×38)
Nom. Diameter Conductor(mm)	0.30
Nom. Diameter Dielectric	0.84
Coverage Braid (%)	95
Nom. Overall Diameter(mm)	1.80
Operating Temperature (°C)	-70°C to +200°C
Min. Bend Radius (install)(mm)	30

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)	Max. Operating Voltage (V RMS)
880	52.6	50 ± 3	0.23	95	69.5	4.79	30

Nom. Attenuation Table at 20°C

Frequency (MHz)	Attenuation (dB/100m)
1	8.53
10	18.36
50	34.43
100	45.9
200	62.3

Frequency (MHz)	Attenuation (dB/100m)
400	91.8
700	121.3
900	139.4
1000	150.8

Reference Standards

IEC 60228
(BS) EN 50290-2
MIL-C-17, M17/93-RG178
IEC 61196
RoHS directives