

# RG-178B/U Coaxial Cable

## FEP Sheath

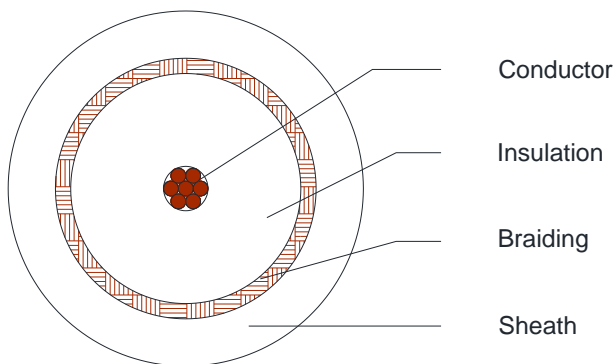


CI317

### 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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## FEP Sheath



C1317

### 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