



Single 3GHz RG6U Solid Coaxial Cable w/Copper Clad Steel Conductor & 60% Braided Shielding

Model 30B2

**Copper Clad Steel Conductor, 60% Braid 3GHz Swept Tested
UV Inhibitor**



30B2

Coax Code Color Code Box Code

RG6U Coaxial Cable

Color Codes: [B] Black, [W] White, [G] Gray, [A] Beige (Black stocked at PBI, others may require special order)
Box Codes: [1] Pull Box (single only), [2] Reel - in - Box (single only), [3] Spool (packaged in a box)

Center Conductor:
Copper Clad Steel 18 AWG
Diameter (Nom.) .04"

Dielectric:
Foam Polyethylene
Diameter over Dielectric: .18" (Nom.)

Shielding:
Foil: Aluminum/Poly Tape (Bonded)
Braid: 36 AWG Aluminum
60% Coverage
Diameter (Nom.) 0.212"

Jacket:
FR-PVC
Diameter over Jacket: 0.272" ±.008"
Jacket Thickness (Nom.): 0.03"

Copper Clad Steel
Center Conductor

Dielectric

100% Aluminum
Foil Shielding

60% Aluminum
Braided Shielding

PVC Jacket



Attenuation

MHz	dB/100'
1	.25
10	.66
50	1.41
100	1.92
200	2.64
400	3.73
700	5.05
900	5.79
1000	6.11
1200	6.73
1450	7.49
1800	8.43
2200	9.35
3000	11.38

Electrical Properties:

Sparker Test:	4000 VAC
Dielectric Strength	Conductor to Shield: 2500 VDC
Capacitance:	16.0 pF./FT (Nom.)
Impedance:	75.0 ± 3.0Ω
Velocity of Propagation:	82.0% (Nom.)
DCR:	
Conductor:	32Ω/1000 Ft. (Nom.)
Shield:	8.75Ω/1000 Ft. (Nom.)
SRL:	20dB (5 - 1000 MHz)
	15dB (1001 - 3000 MHz)
	100% Swept Tested

Mechanical Properties:

Minimum Bend Radius:	
Loaded:	20 Times Cable OD
Unloaded:	10 Times Cable OD
Cable Temperature Rating:	
Temperature:	-40° - +80°C