



# INTEGRAL TECHNOLOGIES

## RG-6 Series Co-axial cable

### Description

CCS, FPE, Bond Aluminum Foil Shielded, 60% Aluminum

Braided Shield, PVC Jacket, 1000' (305 met.) package.

Center Conductor: CCS, (20%),  $\Phi 0.041''$  (1.02 mm)

Dielectric: Foam PE,  $\Phi 0.180''$  (4.57 mm)

1<sup>st</sup> outer conductor : Aluminum foil 0.187'' (4.75 mm)

2<sup>nd</sup> outer conductor: Aluminum braid 0.212'' (5.38 mm)

Jacket: PVC, 0.272'' (6.91 mm)

### Electrical performance

Capacitance : 15.6 pF/ft, (51.2 pF/m)

Impedance :  $75 \pm 3$  ohms

Velocity of Propagation : 88% (Nominal)

DC resistance: Conductor: 28 ohms/1000 ft, shield 9 ohms/1000 ft

Maximum Loop DC Resistance : 37 ohms/1000 ft (125 ohms/km)

NOTE: This cable is equivalent in structure and performance to

BELDEN #9116 (60% braid).

Attenuation: @68 F (20 C)

Frequency (Mhz)	dB/100 ft (max)	dB/100 met(max)
5	0.61	2.00
55	1.44	4.72
211	2.85	9.35
450	4.17	13.70
550	4.65	15.30
750	5.50	18.00
865	5.93	19.50
1000	6.43	21.10

