

# Coaxial Cable Specifications

## Center Conductor:

- 18 AWG Solid Bare Copper
- Nominal Diameter: 0.0403"

## Shield:

- Foil: Aluminum/Poly Tape
- Braid: 34 AWG Aluminum
- Nominal 60% Coverage
- Nominal Diameter 0.2012"

## Dielectric:

- Foam Polyethylene
- Diameter over Dielectric: 0.180" Nom.

## Jacket:

- PVC (Indoor) or PE (Outdoor)
- Diameter over Jacket: 0.272" +/- 0.006"
- Nominal Jacket Thickness: 0.030"
- Minimum Spot: 0.024"

## Mechanical Properties

### Minimum Bend Radius:

- Loaded: 5.4 Inches
- Unloaded: 2.7 Inches

### Cable Temp. Rating:

- Temp: 75C
- UL 444 Cold Bend to -40C (PVC) -55C (PE)
- Cold Impact @ -15C (PVC) -22C (PE)
- CM or CMX Fire Rated

## Electrical Properties

Sparker Test:

- 4000 VAC

Velocity of Propagation:

- 82.0% Nom.

Dielectric Strength:

- Conductor to Shield: 3000 VDC

DCR Conductor:

- 6.4 Ohms/1000 FT. Max

Capacitance:

- 16.0 PF./FT. Nom.

DCR Shield:

- 10.5 Ohms/1000 FT. Max

Impedance:

- 75.0 +/- 3.0 Ohms

SRL:

- 15dB 100 MHz to 3000 MHz minimum
- 100% Swept Tested

**Attenuation**

<b>dB/100 FT. (NOM.)</b>	<b>@ FREQUENCY MHz</b>
1.92 dB	100 MHz
3.73 dB	400 MHz
5.95 dB	950 MHz
7.49 dB	1450 MHz
8.43 dB	1800 MHz
9.35 dB	2200 MHz
9.97 dB	2500 MHz
10.92 dB	3000 MHz