

# ControlNet\* RG-6 Quad Shield 75 Ohm Coaxial Cable Catalog # 5060A (Corrugated Steel Armor) NEC/CEC: CMG (UL) C(UL)

## CONSTRUCTION:

**CENTER CONDUCTOR:**  
18 AWG Solid Copper Clad Steel  
Nom. Dia.: 0.0403"

**DIELECTRIC:**  
Foamed Polyethylene (PE)  
Dia. Over Dielectric: 0.180" Nom.

**INNER SHIELD:**  
Foil: Bonded Aluminum/Poly Tape  
Braid: 34 AWG Aluminum  
60% Coverage  
Nom. Dia.: 0.212"

**OUTER SHIELD:**  
Foil: Aluminum/Poly Tape  
Braid: 34 AWG Aluminum  
40% Coverage  
Nom. Dia.: 0.232"

**INNER JACKET:**  
Polyethylene (PE)  
Dia. Over Inner Jacket: 0.297" +/- 0.008"  
Nom. Jkt. Thickness: 0.032"  
Min. Spot: 0.024"

**CORRUGATED ARMOR:**  
Steel  
100% Coverage  
Steel Tape Thickness: 0.0107" +/- 0.016"  
Dia Over Armor: 0.340" Nom.

**OUTER JACKET:**  
Polyethylene (PE)  
Dia. Over Outer Jacket: 0.400" +/- 0.008"  
Corrugated Armor/Outer Jacket  
Nom. Thickness: 0.052"



## ELECTRICAL PROPERTIES:

**SPARKER TEST:** 4000 VAC  
**DIELECTRIC STRENGTH:** Conductor to Shield: 3 Sec. @ 2500 VDC  
**CAPACITANCE:** 16.0 pF/ft. Nom.  
**IMPEDANCE:** 75.0 +/- 3.0 Ohms  
**VELOCITY OF PROPAGATION:** 82.0% Nom.  
**DCR:**  
Conductor: 28.6 Ohms/1000 ft.  
Shield: 3.9 Ohms/1000 ft.  
**SRL:** 23 dB minimum (5 to 50 MHz) 100% Swept Tested

## MECHANICAL PROPERTIES (Inner Cable):

**MINIMUM BEND RADIUS:**  
Loaded: 20 times cable OD  
Unloaded: 10 times cable OD  
**JACKET TEMP. RATING:**  
Temp: 75°C

## ATTENUATION:

dB/100 Ft. (Nom.)	@ Frequency MHz
.36 dB	1 MHz
.38 dB	2 MHz
.45 dB	5 MHz
.59 dB	10 MHz
.86 dB	20 MHz
1.38 dB	50 MHz

\* ControlNet is a trademark of ControlNet International.

\*\* Meets Communications Cable Standards UL444 & CSA-214-94.

\*\*\* Meets Armored Cables Standard CSA-51