



# PRODUCT SPECIFICATIONS

**CONVERGENT  
CONNECTIVITY  
TECHNOLOGY**

## 5209

**Description:** 18AWG solid bare copperweld quad shield RG6/U 75Ohm coaxial cable in a siamese construction

**Ratings/Approvals:** NEC Article 800&820, UL Subject 444 & 1581, Type Cm/CATV, C(ETL)US, RoHS Compliant

**Applications:** Video Display, Point-Of-Sale Terminals, Local Area Network Controls, and CATV Broadcast Applications, Swept to 3.0 GHz.

### CONSTRUCTION

#### Core

Conductor: 18 AWG Bare Copperweld

Stranding: Solid

Dielectric Material: Cellular Polyethylene

Dielectric Core Diameter: 0.180 in. (4.572 mm.) Nominal

1st Shield: Coaxial Shielding Tape (100% Coverage)

2nd Shield: Aluminum Braid

3rd Shield: Coaxial Shielding Tape (100% Coverage)

4th Shield: Aluminum Braid

#### Overall Cable

Construction Type: Siamese

Jacket Material: Polyvinyl Chloride

Nominal Jacket Dimensions: Minor Over Coax: 0.280 in.  
Major: 0.585 in.

### ELECTRICAL & PHYSICAL PROPERTIES

Capacitance: 16.2pF/ft Nominal

Velocity of propagation: 84% Nominal

Characteristic Impedance: 75Ω Nominal

Nominal attenuation per 100ft: 1.46 dB @ 50 MHz      7.50 dB @ 1200 MHz  
2.05 dB @ 100 MHz      8.50 dB @ 1450 MHz  
2.83 dB @ 200 MHz      9.50 dB @ 2200 MHz  
6.88 dB @ 1000 MHz      12.0 dB @ 3000 MHz

Temperature Rating: -10°C to 60°C

Issue Date: March '11      Revision: 1

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