

593590

## Belden Wire &amp; Cable - Coaxial Cable

50 Ohm Transmission Cable  
 RG-58A/U Type  
 20 AWG

Trade Number: 9222

**Conductors:**

AWG: 20  
 Stranding: (7x28)  
 Type: TC  
 Diameter: 0.037 in.  
 DCR: 9.5 ohms/M'

Insulation Type: Polyethylene  
 Inner Jacket: Polyethylene  
 Outer Jacket: PVC

Shield Type: 95% TC Braid + 85% TC Braid  
 Shield DCR: 4.7 ohms/M' + 4.3 ohms/M'

Nominal Core OD: 0.144 0.144  
 Nominal OD: 0.24 in.  
 Nominal Impedance: 50  
 Nominal Capacitance: 30.8 pF/ft  
 Velocity Of Prop.: 66%

Standard Lengths (ft.)	Standard Units (lbs/M')
100	4.5
U-500	19.6
500	20.4

Frequency (Mhz)	Nominal Attenuation (db/M')
1	.5
10	1.5
50	3.3
100	4.9
200	7.2
400	12
700	18
900	22
1000	24

**DESCRIPTION**

Brilliance® Computer Triax Cable. 20 AWG stranded tinned copper conductor with polyethylene insulation. 95% tinned copper braid & 85% tinned copper braid. Polyethylene insulation between braids. Yellow PVC jacket.

Temperature Rating : 75°C.

Suggested Operating Temperature Range (Non-UL): -40°C to +75°C.

Maximum Operating Voltage (Non-UL): 1400 Volts RMS.

## Coaxial Cable Technical Data

### Coaxial Cable Types

- ▶ [Composite Cable - Video plus Voice or Data Cable](#)
- ▶ [New Brilliance® Analog/Digital Subminiature Precision Video Cable](#)
- ▶ [New High - Flex Video Triaxial Cables](#)
- ▶ [New Plenum RGB Video Cables](#)
- ▶ [Audio and Video Composite Camera Cables](#)
- ▶ [RGB and SVHS Cables](#)
- ▶ [50 ohm Transmission Cables](#)

### Why Buy Belden® Broadband Cable?

- ▶ [Performance, Innovation and Selection](#)
- ▶ [Manufacturing Advantages](#)
- ▶ [Packaging Advantages](#)

### Belden Broadband Cable Shielding

- ▶ [Shielding Options](#)
- ▶ [Flex Test](#)

### Shield Effectiveness

- ▶ [Transfer Impedance](#)
- ▶ [SEED® Shield Effectiveness Evaluation Device](#)

### Coreguard® Options

- ▶ [Effect of Corrosion on Shielding](#)
- ▶ [Corrosion - Protected Drop Cable \(CATV Rated\)](#)
- ▶ [Corrosion - Protected Messenger Cable](#)
- ▶ [Flooded Burial Cable](#)
- ▶ [Shield Effectiveness Test](#)

### Messenger Cable for Broadband Applications

- ▶ [Background](#)
- ▶ [Cable Construction Details](#)
- ▶ [Installation](#)

### Sweep Testing

- ▶ [Belden Sweep Tests All Drop Cable to 1 GHz](#)
- ▶ [Belden Sweep Tests](#)
- ▶ [Belden Controls Attenuation At Higher Frequencies](#)

### Cable to F Connector Cross Reference Guide

- ▶ [PPC](#)
- ▶ [LRC](#)
- ▶ [Gilbert](#)
- ▶ [Raychem](#)

### Video Connector Cross-Reference Guide

- ▶ [Kings & AMP](#)
- ▶ [Amphenol & Trompeter](#)

### Tables & Formulas

- ▶ [Attenuation vs. Frequency](#)
- ▶ [Nominal Attenuation](#)
- ▶ [Comparative Properties of Rubber Insulations](#)
- ▶ [Comparative Properties of Plastic/Insulating and Jacketing Compounds](#)
- ▶ [Comparative Properties of Fluoropolymers/Insulating and Jacketing Compounds](#)
- ▶ [Nominal Temperature Range/Insulating and Jacketing Compounds](#)
- ▶ [Typical Characteristics of Popular Insulation and Jacket Compounds](#)