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1-800-Belden1



### General Description:

Low noise, RG-58/U Type, 22 AWG stranded (7x30) .030" TC conductor, polyethylene insulation, conductive layer, Duobond® II + TC braid shield (95% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	22	7x30	TC - Tinned Copper	.030

Total Number of Conductors: 1

#### Insulation

Insulation Material:

Layer #	Insulation Material	Dia. (in.)
1	CPE - Conductive Polyethylene	0.036
2	PE - Polyethylene	0.112

#### Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 0.195 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 24 lbs/1000 ft.

Max. Recommended Pulling Tension: 8.850 lbs.

Min. Bend Radius/Minor Axis: 2 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

RG Type: 58/U

#### Flame Test

UL Flame Test: UL1685 UL Loading, VW-1

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

Impedance (Ohm)

50

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)

37.0

**Nominal Velocity of Propagation:**

VP (%)

56

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

10.8

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

4.1

**Other Electrical Characteristic 1:** NBS Low Noise Test (Modified), MIL-C-17 Paragraph 4.8.14, 8 mV Peak to Peak Max

**Max. Noise Level (Peak to Peak):** 8 mV

**Notes (Overall)**

**Notes:** Not recommended for RF use

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9223 010100	100 FT	3.100 LB	BLACK		#22 LOW NOISE COAX CABLE
9223 0101000	1,000 FT	26.000 LB	BLACK	C	#22 LOW NOISE COAX CABLE
9223 010500	500 FT	13.500 LB	BLACK	C	#22 LOW NOISE COAX CABLE

**Notes:**  
C = CRATE REEL PUT-UP.

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