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1-800-Belden1



General Description:

23 AWG solid .022" bare copper conductor, polyethylene insulation, Duofoil® + tinned copper braid shield (95% coverage), polyethylene jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	23	Solid	BC - Bare Copper	.022

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PE - Polyethylene	.146

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

Overall Cable

Overall Nominal Diameter: 0.220 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-55°C To +80°C
Non-UL Temperature Rating:	80°C
Bulk Cable Weight:	27 lbs/1000 ft.
Max. Recommended Pulling Tension:	43 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	No
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
MIL Order #39 (China RoHS):	Yes
RG Type:	59/U

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Suitability - Aerial: Yes - When supported by a messenger wire

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/ft)
.118

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
21.0

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/ft)
1.56

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
20.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.5

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.4
3.58	.5
5	.84
7	.98
10.0	1.17
67.5	2.85
71.5	2.90
100	3.35
135	3.95
143	4.05
180	4.55
270	5.60
360	6.55
540	8.30
720	9.65
750	9.90
1000	11.60

Max. Operating Voltage - Non-UL:

Voltage
2300 V RMS

Other Electrical Characteristic 1:

Impedance tested in accordance w/ASTM D-4566 para 43.2 opt 2 using a 75 Ohm fixed bridge&termination.

Other Electrical Characteristic 2:

Return loss tested in accordance w/ASTM D-4566 para 45.3 using a 75 Ohm fixed bridge&termination.

Minimum Structural Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5.000	216.000	27.000
216.000	850.000	23.000

Sweep Test

Sweep Testing: 100% Sweep tested 5 MHz to 850 MHz.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9209 010U1000	1,000 FT	29.000 LB	BLACK		75 OHM MINI VIDEO CABLE
9209 010U500	500 FT	15.000 LB	BLACK		75 OHM MINI VIDEO CABLE

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