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1-800-Belden1



General Description:

22 AWG stranded (7x30) .030" bare copper conductor, foam polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	22	7x30	BC - Bare Copper	0.762

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	3.7084

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVCNC - Polyvinyl Chloride Non-Contaminating

Overall Cable

Overall Nominal Diameter: 6.147 mm

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 52.087 Kg/Km

Max. Recommended Pulling Tension: 289.133 N

Min. Bend Radius/Minor Axis: 63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMX
CEC/C(UL) Specification:	CMX
AWM Specification:	UL Style 1354 (30 V 60°C)
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):	10/01/2005
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

Flame Test

UL Flame Test: VW-1

CSA Flame Test: FT1

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.29529

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
56.7613

Nominal Velocity of Propagation:

VP (%)
78

Nominal Delay:

Delay (ns/m)
4.2653

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
49.215

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
8.5306

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.9843
10	2.9529
50	6.8901
100	9.843
200	14.7645
400	21.6546
700	29.2009
900	33.1381
1000	35.7629

Max. Operating Voltage - UL:

Voltage
150 V RMS

Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	450	23

Notes (Overall)

Notes: For CCTV Applications.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9659 010U500	500 FT	19.000 LB	BLACK		RG59/U TYPE COAX
9659 0101000	1,000 FT	38.000 LB	BLACK		RG59/U TYPE COAX

METRIC MEASUREMENT VERSION

9659 Coax - 75 Ohm Coax

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