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1-800-Belden1



General Description:

Surveillance, CATV & MATV Cable, RG6, Rated-CM, 18 AWG solid bare copper, foamed polyolefin core, Quad Shield-Duofoil®+60% aluminum braid+Duofoil®+40% aluminum braid, PVC jacket

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	Solid	BC - Bare Copper	1.016

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	4.572

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	AL - Aluminum	60
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	AL - Aluminum	40

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 7.569 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 50.599 Kg/Km

Max. Recommended Pulling Tension: 462.613 N

Min. Bend Radius/Minor Axis: 76.200 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

NEC Articles: 800, 820

CEC/C(UL) Specification: CM

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
Other Specification:	NEC/UL type CATV
RG Type:	6/U
Series Type:	Series 6

Flame Test

UL Flame Test:	UL1685 UL Loading
C(UL) Flame Test:	FT1

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6339Q8

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
53.4803

Nominal Velocity of Propagation:

VP (%)
83

Nominal Delay:

Delay (ns/m)
3.97001

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
21.3265

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
22.967

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
5	2.65761
55	5.2496
211	10.1055
270	11.4835
300	12.1397
330	12.7631
400	14.1083
450	15.027
550	16.7003
750	19.686
870	21.3265
1000	22.967

Max. Operating Voltage - Non-UL:

Voltage
350 Vrms

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5339Q5 009U1000	1,000 FT	37.000 LB	WHITE	C	RG-6 QUAD SHIELD COAX
5339Q5 009U500	500 FT	19.000 LB	WHITE		RG-6 QUAD SHIELD COAX
5339Q5 009I1000	1,000 FT	37.000 LB	WHITE	C	RG-6 QUAD SHIELD COAX
5339Q5 010U1000	1,000 FT	37.000 LB	BLACK		RG-6 QUAD SHIELD COAX
5339Q5 010I1000	1,000 FT	37.000 LB	BLACK	C	RG-6 QUAD SHIELD COAX

Notes:

C = CRATE REEL PUT-UP.

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