

## 5339Q5 Coax - CATV and MATV Applications

For more Information  
please call

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. (in.)
1	18	Solid	BC - Bare Copper	.040

Total Number of Conductors: 1

**Insulation**

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.180

**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: 0.298 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	34 lbs/1000 ft.
Max. Recommended Pulling Tension:	104 lbs.
Min. Bend Radius/Minor Axis:	3 in.

**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

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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/ft)

.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.3

Nominal Velocity of Propagation:

VP (%)

83

Nominal Delay:

Delay (ns/ft)

1.21

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.5

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

7

Max. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

5	.81
55	1.6
211	3.08
270	3.50
300	3.70
330	3.89
400	4.30
450	4.58
550	5.09
750	6.00
870	6.50
1000	7.00

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 009I000	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 010I000	1,000 FT	37.000 LB	BLACK	C	RG-6 QUAD SHIELD COAX

Notes:

C = CRATE REEL PUT-UP.

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