

For more Information
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1-800-Belden1



General Description:

Surveillance, CATV & MATV Cable, RG6, Plenum-CMP & CATVP, 18 AWG solid bare copper, foamed FEP core, Quad Shield-Duofoil®+60% aluminum braid+Duofoil®+40% aluminum braid, Flam arrest® jacket

Usage (Overall)

Suitable Applications: CATV, MATV

Physical Characteristics (Overall)

Conductor

AWG:

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

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FFEP - Foam Fluorinated Ethylene Propylene	4.293

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 Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flam arrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

Overall Cable

Overall Nominal Diameter: 6.248 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 41.670 Kg/Km

Max. Recommended Pulling Tension: 338.063 N

Min. Bend Radius/Minor Axis: 63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP, CATVP

NEC Articles: 820

CEC/C(UL) Specification: CMP

6339Q8 Coax - Commercial CATV or MATV Applications

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):	04/01/2005
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:	6/U
Series Type:	Series 6

Flame Test

UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Surface Printing (Overall)

Surface Printing:	"NEW GENERATION® BY BELDEN-E 6339Q8 1C18 75°C E108998 (UL) CMP OR CATVP OR C(UL) CMP (2 FOOT, 7 DIGIT SEQUENTIAL FOOTAGE) FEET"
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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)

4.06844

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

20.9984

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

8.2025

Nom. Attenuation:

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

1	0.78744
3	1.47645
5	1.80455
8	2.2967
10	2.78885

METRIC MEASUREMENT VERSION

6339Q8 Coax - Commercial CATV or MATV Applications

50	4.9215
100	6.8901
200	10.1711
400	14.7645
700	19.686
900	22.6389
1000	23.9513

Max. Operating Voltage - UL:

Voltage
300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6339Q8 877U1000	1,000 FT	30.000 LB	NATURAL		#18 RG-6 PLENUM QUAD SH
6339Q8 877Z1000	1,000 FT	33.000 LB	NATURAL		RG-6 PLENUM QUAD SHIELD
6339Q8 8771000	1,000 FT	32.000 LB	NATURAL	C	#18 RG-6 PLENUM QUAD SH

Notes:

C = CRATE REEL PUT-UP.

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