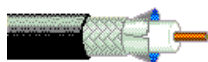


## 6439C8 Coax - Commercial CATV or MATV Applications



For more Information  
please call

1-800-Belden1

**General Description:**

Surveillance, CATV & MATV Cable, RG59, Plenum-CMP & CATVP, 20 AWG solid bare copper, foamed FEP core, Duofoil®+80% aluminum braid, Flammarrest® jacket

**Usage (Overall)**

Suitable Applications: CATV, MATV

**Physical Characteristics (Overall)****Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BC - Bare Copper	.032

**Insulation**

Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	.135

**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	80

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flammarrest®	LS PVC - Low Smoke Polyvinyl Chloride

**Overall Cable**

Overall Nominal Diameter: 0.199 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	19 lbs/1000 ft.
Max. Recommended Pulling Tension:	45 lbs.
Min. Bend Radius/Minor Axis:	2 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMP, CATVP
NEC Articles:	820
CEC/C(UL) Specification:	CMP
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

## 6439C8 Coax - Commercial CATV or MATV Applications

MII Order #39 (China RoHS): Yes

RG Type: 59/U

Series Type: Series 59

## Flame Test

UL Flame Test: NFPA 262

C(UL) Flame Test: FT6

## Plenum/Non-Plenum

Plenum (Y/N): Yes

## Surface Printing (Overall)

Surface Printing: "NEW GENERATION® BY BELDEN-E 6439C8 1C20 75°C E108998 (UL) CMP OR CATVP OR C(UL) CMP (2 FOOT, 7 DIGIT SEQUENTIAL FOOTAGE) FEET"

## 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)

1.24

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.0

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.5

## Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.4
10	0.8
50	1.8
100	2.6
200	3.8
400	5.6
700	7.6
900	8.8
1000	9.4

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6439C8 8771000	1,000 FT	21.000 LB	NATURAL	C	RG-59/U PLENUM COAX

## Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 03-11-2013

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## 6439C8 Coax - Commercial CATV or MATV Applications

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