

**9439 Multi-Conductor - Audio, Control and Instrumentation Cable**

For more Information  
please call

1-800-Belden1

**General Description:**

20 AWG stranded (7x28) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
7	20	7x28	TC - Tinned Copper

Total Number of Conductors: 7

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.381

**Outer Shield****Outer Shield Material:**

Outer Shield Material
Unshielded

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.8128

**Overall Cable****Overall Cabling Color Code Chart:**

Number	Color
1	White
2	Red
3	Green
4	Brown
5	Blue
6	Orange
7	Black

Overall Nominal Diameter: 6.604 mm

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	74.410 Kg/Km
Max. Recommended Pulling Tension:	382.545 N
Min. Bend Radius/Minor Axis:	69.850 mm

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

NEC/(UL) Specification: CMG

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CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°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):	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

**Flame Test**

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4

**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)****Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/m)
88.587

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
35.1067

**Max. Operating Voltage - UL:**

Voltage
300 V RMS

**Max. Recommended Current:**

Current
2.8 Amps per conductor @ 25°C

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9439 060U1000	1,000 FT	51.000 LB	CHROME		7 #20 PVC FRPVC
9439 060U500	1 EA	0.052 LB	CHROME		7 #20 PVC FRPVC
9439 060100	100 FT	5.700 LB	CHROME		7 #20 PVC FRPVC
9439 0601000	1,000 FT	53.000 LB	CHROME	C	7 #20 PVC FRPVC
9439 060500	500 FT	27.000 LB	CHROME	C	7 #20 PVC FRPVC
9439 0605000	5,000 FT	260.000 LB	CHROME		7 #20 PVC FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 3    Revision Date: 05-01-2015

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