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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 (around Black)
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

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

## METRIC MEASUREMENT VERSION

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

EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL 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	305 MT	23.133 KG	CHROME		7 #20 PVC FRPVC
9439 060U500	152 MT	11.793 KG	CHROME		7 #20 PVC FRPVC
9439 060100	30 MT	2.585 KG	CHROME		7 #20 PVC FRPVC
9439 0601000	305 MT	24.041 KG	CHROME	C	7 #20 PVC FRPVC
9439 060500	152 MT	12.247 KG	CHROME	C	7 #20 PVC FRPVC
9439 0605000	1,524 MT	117.935 KG	CHROME		7 #20 PVC FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3    Revision Date: 09-11-2012

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