# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



# 8459 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information please call

1-800-Belden1



# **Description:**

22 AWG stranded (7x30) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

# **Physical Characteristics (Overall)**

### Conductor

### AWG:

# Conductors	AWG	Stranding	Conductor Material
25	22	7x30	TC - Tinned Copper

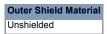
#### Insulation

#### **Insulation Material:**

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.010

#### **Outer Shield**

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



#### **Outer Jacket**

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

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.040

## **Overall Cable**

### Overall Cabling Lay Length & Direction:



## **Overall Cabling Color Code Chart:**

Color
Black
White
Red
Green
Orange
Blue
White/Black
Red/Black
Green/Black
Orange/Black
Blue/Black
Black/White
Red/White
Green/White
Blue/White
Black/Red
White/Red
Orange/Red
Blue/Red
Red/Green

Page 1 of 3 01-06-2012

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Orange/Green
Black/White/Red
White/Black/Red
Red/Black/White
Green/Black/White

Overall Nominal Diameter: 0.387 in.

Me	char	nical	Cha	racter	ISTICS	(Overall)	
	_		_		_		

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2576)
Bulk Cable Weight:	99.200 lbs/1000 ft.
Max. Recommended Pulling Tension:	228 lbs.
Min. Bend Radius (Install)/Minor Axis:	3.700 in.

# **Applicable Specifications and Agency Compliance (Overall)**

## **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2576 (150 V 80°C)
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:	FT4
Plenum/Non-Plenum	

No

## **Electrical Characteristics (Overall)**

Nom. Inductance:

Inductance (µH/ft) .17

Plenum (Y/N):

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
34

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 15.6

Max. Operating Voltage - UL:

Voltage 300 V RMS (CMG) 150 V RMS (UL AWM Style 2576)

Max. Recommended Current:

Current 1.5 Amps per conductor @ 25°C

Page 2 of 3 01-06-2012

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#### **Related Documents:**

No related documents are available for this product

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8459 060100	100 FT	11.300 LB	CHROME		25 #22 PVC PVC
8459 0601000	1,000 FT	109.000 LB	CHROME	С	25 #22 PVC PVC
8459 060500	500 FT	55.000 LB	CHROME	С	25 #22 PVC PVC

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 06-24-2009

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