# **Detailed Specifications & Technical Data**

## **ENGLISH MEASUREMENT VERSION**



## 8741 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information please call

1-800-Belden1



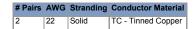
## **General Description:**

22 AWG solid tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

## **Physical Characteristics (Overall)**

# Conductor

AWG:



**Total Number of Conductors:** 

#### 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	.032

## **Overall Cable**

**Overall Nominal Diameter:** 0.230 in.

## Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +80°C	
UL Temperature Rating:	80°C (UL AWM Style 2576)	
Bulk Cable Weight:	23 lbs/1000 ft.	
Max. Recommended Pulling Tension:	30 lbs.	
Min. Bend Radius/Minor Axis:	2.500 in.	

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

## **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMG, MPG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2576 (150 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

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	CA Prop 65 (CJ for Wire & Cable):	Yes	
	MII Order #39 (China RoHS):	Yes	
Fla	Flame Test		
	UL Flame Test:	UL1685 FT4 Loading	
	CSA Flame Test:	FT4	
Ple	Plenum/Non-Plenum		
	Plenum (Y/N):	No	
	Plenum Number:	88741 or 82741 (Stranded conductors)	

## **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft) 30

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 16.5

Max. Operating Voltage - UL:

Voltage Description 300 V RMS CMG 150 V RMS UL AWM Style 2576

Max. Recommended Current:

Current 2.24 Amps per conductor @ 20°C

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

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8741 060U1000	1,000 FT	25.000 LB	CHROME		2 #22 TW PR FRPVC
8741 060U500	500 FT	13.500 LB	CHROME		2 #22 TW PR FRPVC
8741 0601000	1,000 FT	27.000 LB	CHROME	С	2 #22 TW PR FRPVC
8741 0605000	5,000 FT	330.000 LB	CHROME	С	2 #22 TW PR FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

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