# **Detailed Specifications & Technical Data**

METRIC MEASUREMENT VERSION



#### 8772 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information please call

1-800-Belden1



## **Description:**

20 AWG stranded (7x28) tinned copper conductors, conductors cabled, polyethylene insulation, overall Beldfoil® shield (100% coverage), 20 AWG stranded tinned copper drain wire, PVC jacket.

# **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

# Conductors	AWG	Stranding	<b>Conductor Material</b>
3	20	7x28	TC - Tinned Copper

#### Insulation

#### **Insulation Material:**

<b>Insulation Material</b>	Wall Thickness (mm)		
PE - Polyethylene	0.4064		

#### **Outer Shield**

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

<b>Outer Shield Trade Name</b>	Туре	Outer Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

#### **Outer Shield Drain Wire AWG:**

AWG	Stranding	<b>Drain Wire Conductor Material</b>
20	7x28	TC - Tinned Copper

## **Outer Jacket**

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

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.8382

### **Overall Cabling**

# Overall Cabling Lay Length & Direction:



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

Number	Color
1	Black
2	Red
3	Clear

Overall Nominal Diameter: 5.537 mm

# Mechanical Characteristics (Overall) Operating Temperature Range: -20°C To +60°C UL Temperature Rating: 60°C (UL AWM Style 2093) Bulk Cable Weight: 41.074 Kg/Km Max. Recommended Pulling Tension: 200.169 N Min. Bend Radius (Install)/Minor Axis: 50.800 mm

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

## **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2093 (300 V 60°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):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes

Yes

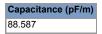
#### **Flame Test**

UL Flame Test: UL1685 UL Loading

#### **Electrical Characteristics (Overall)**

MII Order #39 (China RoHS):

Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 167.331

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 32.81

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 29.2009

Max. Operating Voltage - UL:

**Voltage** 300 V RMS (UL AWM Style 2093)

Max. Recommended Current:

Current
4 Amps per conductor @ 25°C

## **Related Documents:**

No related documents are available for this product

# **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8772 060U1000	305 MT	14.061 KG	CHROME		3 #20 PE FS PVC
8772 060U500	152 MT	7.258 KG	CHROME		3 #20 PE FS PVC
8772 0601000	305 MT	14.515 KG	CHROME	С	3 #20 PE FS PVC
8772 060500	152 MT	7.258 KG	CHROME	С	3 #20 PE FS PVC

Notes:

C = CRATE REEL PUT-UP.

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## 8772 Multi-Conductor - Audio, Control and Instrumentation Cable

Revision Number: 2 Revision Date: 09-18-2008

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