# **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



## 8729 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information please call

1-800-Belden1



#### **General Description:**

22 AWG stranded (19x34) tinned copper conductors, conductors cabled, polyethylene insulation, overall Beldfoil® shield (100% Coverage), 23 AWG and 25 AWG drain wires, PVC jacket.

# **Physical Characteristics (Overall)**

## Conductor

AWG:

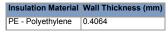


Total Number of Conductors:

4

#### Insulation

Insulation Material:



#### **Outer Shield**

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

#### Outer Shield Drain Wire AWG:

Component	AWG	Stranding	Drain Wire Conductor Material
Contains 3	23	Solid	TCCS - Tinned Copper Covered Steel
Contains 1	25	7x33	TCCS - Tinned Copper Covered Steel

#### **Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.2954

#### **Overall Cable**

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Green
4	Clear

**Overall Nominal Diameter:** 

6.528 mm

# Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C	
UL Temperature Rating:	75°C (UL AWM Style 2094)	
Bulk Cable Weight:	63.993 Kg/Km	
Max. Recommended Pulling Tension:	444.820 N	
Min. Bend Radius/Minor Axis:	69.850 mm	

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

<b>Applicable</b>	Standards &	Environmental	<b>Programs</b>
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NEC/(UL) Specification:	CL3, CM	
CEC/C(UL) Specification:	CM	
AWM Specification:	UL Style 2094 (300 V 75°C)	
EU Directive 2011/65/EU (ROHS II):	Yes	
EU CE Mark:	Yes	
EU Directive 2000/53/EC (ELV):	Yes	

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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
MII Order #39 (China RoHS):	Yes
Flame Test	
UL Flame Test:	UL1685 UL Loading
Plenum/Non-Plenum	
Plenum (Y/N):	No

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

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 137.802

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 40.3563

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

2.3 Amps per conductor @ 25°C

# **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8729 009U1000	1,000 FT	45.000 LB	WHITE		4 #22 PE SHLD PVC
8729 009U500	500 FT	23.000 LB	WHITE		4 #22 PE SHLD PVC
8729 0091000	1,000 FT	47.000 LB	WHITE	С	4 #22 PE SHLD PVC
8729 009500	500 FT	23.500 LB	WHITE	С	4 #22 PE SHLD PVC
8729 0095000	5,000 FT	230.000 LB	WHITE		4 #22 PE SHLD PVC

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-03-2012

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