

## 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:

# Conductors	AWG	Stranding	Conductor Material
4	22	19x34	TC - Tinned Copper

Total Number of Conductors: 4

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PE - Polyethylene	.016

#### 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 (in.)
PVC - Polyvinyl Chloride	.051

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Green
4	Clear

Overall Nominal Diameter: 0.257 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
UL Temperature Rating:	75°C (UL AWM Style 2094)
Bulk Cable Weight:	43 lbs/1000 ft.
Max. Recommended Pulling Tension:	100 lbs.
Min. Bend Radius/Minor Axis:	2.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL3, CM
CEC/(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
MIL Order #39 (China RoHS):	Yes

### Flame Test

UL Flame Test:	UL1685 UL Loading
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
22

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
42

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
14

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
12.3

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

#### Max. Recommended Current:

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	C	4 #22 PE SHLD PVC
8729 009500	500 FT	23.500 LB	WHITE	C	4 #22 PE SHLD PVC
8729 0095000	5,000 FT	230.000 LB	WHITE		4 #22 PE SHLD PVC

#### Notes:

C = CRATE REEL PUT-UP.

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