

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 (mm)
PE - Polyethylene	0.4064

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)

Applicable Standards & Environmental Programs

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
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
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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/m)
72.182

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
137.802

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
45.934

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
40.3563

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 009I000	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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