

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 |
|----------------|-------------------|

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

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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