



Part Number: 8729

Audio/Control/Instrumentation, (4) 22 AWG (19x34) TC, PE/PVC, Foil Shld, CM

[Request Sample](#)

Product Description

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

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 22 | 19x34 | TC - Tinned Copper | 4 |

| | |
|------------------|--------|
| Conductor Count: | 4 |
| Conductor Size: | 22 AWG |

Insulation

| Material | Nominal Wall Thickness |
|-------------------|------------------------|
| PE - Polyethylene | 0.0155 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | Red |
| 3 | Green |
| 4 | Clear |

Inner Jacket Material

| Element |
|---------|
| 3 |
| 1 |

Outer Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--------------------|---------------------|--------------|------------------------------------|---------------|------------------------------|
| Tape | Aluminum/Polyester | Beldfoil® (Z-Fold®) | 100 % | TCCS - Tinned Copper Covered Steel | 22 | Solid |
| | | | | TCCS - Tinned Copper Covered Steel | 25 | 7x33 mm |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.257 in | 0.051 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 14 Ohm/1000ft | 12.3 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 22 pF/ft | 42 pF/ft |

| | |
|------------|---------------------------|
| Shielding: | Foil(s) or Copper Tape(s) |
|------------|---------------------------|

Current

Max. Recommended Current [A]

2.3 Amps per conductor @ 25°C

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

| | |
|-----------------------|--------------------------|
| UL Temp Rating: | 75°C (UL AWM Style 2094) |
| Operating Temp Range: | -40°C To +75°C |

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 43 lbs/1000ft |
| Max Recommended Pulling Tension: | 100 lbs |
| Min Bend Radius/Minor Axis: | 2.75 in |

Standards

| | |
|--------------------------|----------------------------|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CL3, CM |
| CEC/C(UL) Specification: | CM |
| UL AWM Style: | UL Style 2094 (300 V 75°C) |
| CPR Euroclass: | Eca |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|-------------------|
| UL Flammability: | UL1685 UL Loading |
| CSA Flammability: | FT1 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Footnote |
|---------------|-------|----------|
| 8729 0091000 | White | C |
| 8729 009500 | White | C |
| 8729 0095000 | White | |
| 8729 009U1000 | White | |
| 8729 009U500 | White | |

Footnote: C - CRATE REEL PUT-UP.

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