



Part Number: 9770

Audio/Control/Instrumentation, 22 AWG (7x30) TC, PP/PVC, Foil Shld, CM

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Product Description

Three 22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, Beldfoil shield® shield (100% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 22 | 7x30 | TC - Tinned Copper | 3 |

| | |
|------------------|--------|
| Conductor Count: | 3 |
| Conductor Size: | 22 AWG |

Insulation

| Material | Nominal Wall Thickness |
|--------------------|------------------------|
| PP - Polypropylene | 0.0085 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | Red |
| 3 | White |

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 % | TC - Tinned Copper | 22 | 19x34 mm |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.145 in | 0.02 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 16 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 32 pF/ft | 60 pF/ft |

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

Current

| Max. Recommended Current [A] |
|-------------------------------|
| 3 Amps per conductor @ 25°C A |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS |

Temperature Range

| | |
|-----------------------|----------------|
| Operating Temp Range: | -20°C To +90°C |
|-----------------------|----------------|

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 16 lbs/1000ft |
| Max Recommended Pulling Tension: | 29 lbs |
| Min Bend Radius/Minor Axis: | 1.5 in |

Standards

| | |
|--------------------------|-----|
| NEC Articles: | NEC |
| NEC/(UL) Specification: | CM |
| CEC/C(UL) Specification: | CM |
| 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): | 2004-01-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LS0H, 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 |
|---------------|-------|----------|
| 9770 0011000 | Brown | C |
| 9770 001500 | Brown | |
| 9770 0015000 | Brown | |
| 9770 001U1000 | Brown | |
| 9770 001U500 | Brown | |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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