



Part Number: 8771

Electronic, 3 C #22 Str TC, PO Ins, OS, PVC Jkt, CM

[Request Sample](#)

Product Description

Electronic, 3 Conductor 22AWG (7x30) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

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 |
| PE - Polyethylene | 0.017 in |

Color Chart

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

Outer Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum/Polyester | Beldfoil® | 100 % | TC - Tinned Copper | 22 | 7x30 mm |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.199 in | 0.033 in |

Construction and Dimensions

| Cabling | |
|---------------|------------|
| Lay Direction | Twists |
| Left Hand | 6 twist/ft |

Electrical Characteristics

| Conductor DCR | |
|-----------------------|--------------------------|
| Nominal Conductor DCR | Nominal Outer Shield DCR |
| 15 Ohm/1000ft | 11.7 Ohm/1000ft |

| Capacitance | |
|---|---|
| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
| 23 pF/ft | 41 pF/ft |

Current

| Element | Max. Recommended Current [A] |
|----------------------|---------------------------------------|
| 10C Temperature Rise | 2.9 Amps per conductor @ 25°C ambient |

Voltage

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

Temperature Range

| | |
|-----------------------|--------------------------|
| UL Temp Rating: | 60°C (UL AWM Style 2093) |
| Operating Temp Range: | -20°C To +60°C |

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 22 lbs/1000ft |
| Max Recommended Pulling Tension: | 36 lbs |
| Min Bend Radius/Minor Axis: | 2 in |

Standards

| | |
|--------------------------|----------------------------|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CM |
| CEC/C(UL) Specification: | CM |
| UL AWM Style: | UL Style 2093 (300 V 60°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 |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | 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 |
|---------------|--------|----------|
| 8771.00U152 | Chrome | |
| 8771.00U305 | Chrome | |
| 8771.01152 | Chrome | |
| 8771.01305 | Chrome | |
| 8771 0601000 | Chrome | C |
| 8771 06010000 | Chrome | C Y |
| 8771 060250 | Chrome | |
| 8771 060500 | Chrome | |
| 8771 060U1000 | Chrome | |
| 8771 060U500 | Chrome | |

| | |
|-----------|---|
| Footnote: | C - CRATE REEL PUT-UP. |
| Footnote: | Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'. |

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