



Product: [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

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications; panel wiring |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

| Element | AWG | Stranding | Material | No. of Conductors |
|--------------|-----|-----------|--------------------|-------------------|
| Conductor(s) | 22 | 7x30 | TC - Tinned Copper | 3 |

| | |
|------------------|---|
| Conductor Count: | 3 |
|------------------|---|

Insulation

| Element | Material | Nominal Wall Thickness |
|--------------|-------------------|------------------------|
| Conductor(s) | 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 | Alum / Poly | Beldfoil® | 100 % | TC - Tinned Copper | 22 | 7x30 |

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: | Yes |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Flammability, LS0H, Toxicity Testing

| | |
|-----------------------|-------------------|
| UL Flammability: | UL1685 UL Loading |
| CSA Flammability: | FT1 |
| ISO/IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC/EAN |
|-------------|--------|------------|--------|---------------|
| 8771.00U152 | Chrome | UnReel | 152 m | 8719605019264 |
| 8771.01152 | Chrome | Reel | 152 m | 8719605019288 |
| 8771 060250 | Chrome | Reel | 250 ft | 612825215738 |
| 8771.00U305 | Chrome | UnReel | 305 m | 8719605019271 |
| 8771.01305 | Chrome | Reel | 305 m | 8719605019295 |
| 8771 060500 | Chrome | Reel | 500 ft | 612825215745 |

| | | | | |
|---------------|--------|--------|-----------|---------------|
| 8771 060U500 | Chrome | UnReel | 500 ft | 612825215707 |
| 8771 0601000 | Chrome | Reel | 1,000 ft | 612825215714 |
| 8771 060U1000 | Chrome | UnReel | 1,000 ft | 612825215691 |
| 8771.013050 | Chrome | Reel | 3,050 m | 8719605019301 |
| 8771 06010000 | Chrome | Reel | 10,000 ft | 612825215721 |

| | |
|-----------|---|
| 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'. |

History

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| Update and Revision: | Revision Number: 0.310 Revision Date: 05-11-2020 |
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