



Product: [8643](#)

Electronic, 3 C #30 Str TC, PO Ins, OA TC Brd, PVC Jkt

[Request Sample](#)

Product Description

Electronic, 3 Conductor 30AWG (7x38) Tinned Copper, PO Insulation, Overall Tinned Copper Braid(95%) Shield, PVC Outer Jacket

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 | Nominal Diameter | No. of Conductors |
|--------------|-----|-----------|--------------------|------------------|-------------------|
| Conductor(s) | 30 | 7x38 | TC - Tinned Copper | 0.012 in | 3 |

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

Insulation

| Element | Material | Nominal Wall Thickness |
|--------------|--------------------|------------------------|
| Conductor(s) | PP - Polypropylene | 0.006 in |

Color Chart

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

Outer Shield Material

| Type | Material | Coverage [%] |
|-------|--------------------|--------------|
| Braid | TC - Tinned Copper | 95 % |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness | Separator Material |
|--------------------------|------------------|------------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.096 in | 0.014 in | Paper Tape |

Construction and Dimensions

Cabling

| Filler |
|-------------------------|
| Textile Strength Member |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 98.5 Ohm/1000ft | 11.1 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
|---|---|

| | |
|----------|----------|
| 25 pF/ft | 43 pF/ft |
|----------|----------|

Current

| |
|-------------------------------------|
| Max. Recommended Current [A] |
| 0.9 Amps per conductor @ 25°C |

Voltage

| |
|------------------------------|
| Non-UL Voltage Rating |
| 200 V RMS |

Temperature Range

| | |
|-----------------------|-----------------|
| Non-UL Temp Rating: | 105°C |
| Operating Temp Range: | -20°C To +105°C |

Mechanical Characteristics

| | |
|----------------------------------|--------------|
| Bulk Cable Weight: | 8 lbs/1000ft |
| Max Recommended Pulling Tension: | 22.5 lbs |
| Min Bend Radius/Minor Axis: | 1 in |

Standards

| | |
|----------------|-----|
| 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 Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-10-01 |
| CA Prop 65: | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LS0H, Toxicity Testing

| | |
|-----------------------|---------------|
| ISO/IEC Flammability: | IEC 60332-1-2 |
|-----------------------|---------------|

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|-------------|--------|------------|--------|--------------|
| 8643 060100 | Chrome | Reel | 100 ft | 612825213826 |
| 8643 060250 | Chrome | Reel | 250 ft | 612825213833 |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.299 Revision Date: 05-05-2020 |
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