



Part Number: 8643

Audio/Control/Instrumentation, (3) 30 AWG (7x38) TC, PP/PVC, TC Braid Shld

[Request Sample](#)

Product Description

Three 30 AWG stranded (7x38) tinned copper conductors, conductors cabled around textile strength member, polypropylene insulation, tinned copper braid shield (95% shield coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Conductors |
|-----|-----------|--------------------|------------------|-------------------|
| 30 | 7x38 | TC - Tinned Copper | 0.012 in | 3 |

| | |
|------------------|--------|
| Conductor Count: | 3 |
| Conductor Size: | 30 AWG |

Insulation

| Material | Nominal Wall Thickness |
|--------------------|------------------------|
| 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 |
| Shielding: | Braid(s) |

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 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color |
|-------------|--------|
| 8643 060100 | Chrome |
| 8643 060250 | Chrome |

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