



Part Number: 8457

Audio/Control/Instrumentation, (12) 22 AWG (7x30) TC, PVC/PVC, CMG

Product Description

Twelve 22 AWG stranded (7x30) tinned copper conductors, conductors cabled, PVC insulation, PVC Jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 22 | 7x30 | TC - Tinned Copper | 12 |

| | |
|------------------|--------|
| Conductor Count: | 12 |
| Conductor Size: | 22 AWG |

Insulation

| Material | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.011 in |

Color Chart

| Color |
|--------|
| White |
| Black |
| Blue |
| Brown |
| Green |
| Gray |
| Orange |
| Purple |
| Red |
| Pink |
| Tan |
| Yellow |

Outer Shield Material

| Material |
|------------|
| Unshielded |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.272 in | 0.032 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 15.6 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|-----------------------------------------|
| 34 pF/ft |

| | |
|------------|------------|
| Shielding: | Unshielded |
|------------|------------|

Inductance

Nominal Inductance

0.17 µH/ft

Current

Max. Recommended Current [A]

2.1 Amps per conductor @ 25°C

Voltage

| UL Description | UL Voltage Rating |
|-------------------|-------------------|
| CMG | 300V RMS |
| UL AWM Style 2576 | 150 V RMS |

Temperature Range

| | |
|-----------------------|--------------------------|
| UL Temp Rating: | 80°C (UL AWM Style 2576) |
| Operating Temp Range: | -20°C To +80°C |

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 47 lbs/1000ft |
| Max Recommended Pulling Tension: | 110 lbs |
| Min Bend Radius/Minor Axis: | 2.75 in |

Standards

| | |
|--------------------------|----------------------------|
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| UL AWM Style: | UL Style 2576 (150 V 80°C) |
| CSA AWM Specification: | FT4 |
| 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): | 2005-04-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|--------------------|
| UL Flammability: | UL1685 FT4 Loading |
| CSA Flammability: | FT4 |
| UL Voltage Rating: | 300 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Footnote |
|---------------|--------|----------|
| 8457 060100 | CHROME | |
| 8457 0601000 | CHROME | C |
| 8457 060500 | CHROME | C |
| 8457 0605000 | CHROME | C |
| 8457 060U1000 | CHROME | |
| 8457 060U500 | CHROME | |

Footnote: C - CRATE REEL PUT-UP.

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