



**Part Number: 9431**

Audio/Control/Instrumentation, (20) 22 AWG (7x30) TC, PVC/PVC, CMG

[Request Sample](#)

**Product Description**

Twenty 22 AWG stranded (7x30) tinned copper conductors, PVC insulation, PVC jacket.

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	20

Conductor Count:	20
Conductor Size:	22 AWG

**Insulation**

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.0105 in

**Color Chart**

Color
Black
White
Red
Green
Orange
Blue
White/Black
Red/Black
Green/Black
Orange/Black
Blue/Black
Black/White
Red/White
Green/White
Blue/White
Black/Red
White/Red
Orange/Red
Blue/Red
Red/Green

**Outer Shield Material**

Material
Unshielded

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.345 in	0.04 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  $\mu$ H/ft

### Current

#### Max. Recommended Current [A]

1.5 Amps per conductor @ 25°C A

### Voltage

#### UL Voltage Rating

300 V RMS (CMG)

150 (UL AWM Style 2576) 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: 82 lbs/1000ft

Max Recommended Pulling Tension: 180 lbs

Min Bend Radius/Minor Axis: 3.5 in

## Standards

NEC Articles: 800

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

UL AWM Style: UL Style 2576 (150 V 80°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

## Flammability, LSOH, Toxicity Testing

UL Flammability: UL1685 FT4 Loading

CSA Flammability: FT4

UL voltage rating: 300 V RMS (CMG)

## Plenum/Non-Plenum

Plenum (Y/N): No

## Part Number

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### Variants

Item #	Color	Footnote
9431 060100	Chrome	
9431 0601000	Chrome	C
9431 060500	Chrome	C
9431 0605000	Chrome	C

Footnote:	C - CRATE REEL PUT-UP.
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