



**Product:** [9770](#)

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
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### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	3
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#### Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PP - Polypropylene	0.0085 in

#### Color Chart

Number	Color
1	Black
2	Red
3	White

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	22	19x34

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.145 in	0.02 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
16 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
32 pF/ft	60 pF/ft

#### Current

Max. Recommended Current [A]
3 Amps per conductor @ 25°C A

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

Operating Temp Range: -20°C To +90°C

## Mechanical Characteristics

Bulk Cable Weight: 16 lbs/1000ft

Max Recommended Pulling Tension: 29 lbs

Min Bend Radius/Minor Axis: 1.5 in

## Standards

NEC Articles: NEC

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

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): 2004-01-01

CA Prop 65: Yes

MII Order #39 (China RoHS): Yes

## Flammability, LSOH, 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	UPC
9770 0011000	Brown	612825258407
9770 001500	Brown	612825258414
9770 0015000	Brown	612825258421
9770 001U1000	Brown	612825258384
9770 001U500	Brown	612825258391

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision: Revision Number: 0.305 Revision Date: 05-11-2020

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