



**Product:** [8771](#)

Electronic, 3 C #22 Str TC, PO Ins, OS, PVC Jkt, CM

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## 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)	PE - Polyethylene	0.017 in

#### Color Chart

Number	Color
1	Black
2	Red
3	Clear

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	22	7x30

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.199 in	0.033 in

## Construction and Dimensions

#### Cabling

Lay Direction	Twists
Left Hand	6 twist/ft

## Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
15 Ohm/1000ft	11.7 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
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23 pF/ft	41 pF/ft
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#### Current

Element	Max. Recommended Current [A]
10C Temperature Rise	2.9 Amps per conductor @ 25°C ambient

#### Voltage

UL Voltage Rating
300 V RMS

#### Temperature Range

UL Temp Rating:	60°C (UL AWM Style 2093)
Operating Temp Range:	-20°C To +60°C

#### Mechanical Characteristics

Bulk Cable Weight:	22 lbs/1000ft
Max Recommended Pulling Tension:	36 lbs
Min Bend Radius/Minor Axis:	2 in

#### Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
UL AWM Style:	UL Style 2093 (300 V 60°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:	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
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#### 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
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#### Part Number

#### Variants

Item #	Color	Putup Type	Length	UPC/EAN
8771.00U152	Chrome	UnReel	152 m	8719605019264
8771.01152	Chrome	Reel	152 m	8719605019288
8771 060250	Chrome	Reel	250 ft	612825215738
8771.00U305	Chrome	UnReel	305 m	8719605019271
8771.01305	Chrome	Reel	305 m	8719605019295
8771 060500	Chrome	Reel	500 ft	612825215745

8771 060U500	Chrome	UnReel	500 ft	612825215707
8771 0601000	Chrome	Reel	1,000 ft	612825215714
8771 060U1000	Chrome	UnReel	1,000 ft	612825215691
8771.013050	Chrome	Reel	3,050 m	8719605019301
8771 06010000	Chrome	Reel	10,000 ft	612825215721

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

**History**

Update and Revision:	Revision Number: 0.309 Revision Date: 05-05-2020
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