



**Product:** [8772](#)

Electronic, 3 C #20 Str TC, PO Ins, OS, PVC Jkt, CM

[Request Sample](#)

## Product Description

Electronic, 3 Conductor 20AWG (7x28) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
20	7x28	TC - Tinned Copper	3

Conductor Count: 3

#### Insulation

Material	Nominal Wall Thickness
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® (Z-Fold®)	100 %	TC - Tinned Copper	20	7x28

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.218 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
10 Ohm/1000ft	8.9 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
27 pF/ft	51 pF/ft

#### Current

Element	Max. Recommended Current [A]
10C Temperature Rise	4 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:	29 lbs/1000ft
Max Recommended Pulling Tension:	45 lbs
Min Bend Radius/Minor Axis:	2.25 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):	2004-01-01
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
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## Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT1
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

## Part Number

### Variants

Item #	Color	UPC	Length	Footnote
8772.00152	Chrome		152 m	
8772.00305	Chrome		305 m	
8772.00U152	Chrome		152 m	
8772.00U305	Chrome		305 m	
8772 0601000	Chrome	612825215790	1,000 ft	C
8772 060500	Chrome	612825215806	500 ft	C
8772 0605000	Chrome	612825215813	5,000 ft	
8772 060U1000	Chrome	612825215776	1,000 ft	
8772 060U500	Chrome	612825215783	500 ft	
8772.K0305	Chrome		305 m	
8772.K0U305	Chrome		305 m	

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision:

Revision Number: 0.298 Revision Date: 04-08-2020

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