



Product: [8772](#)

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

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Product Description

Electronic, 3 Conductor 20AWG (7x28) 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)	20	7x28	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® (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
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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
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

Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
8772.00152	Chrome	Reel	152 m	8719605019370
8772.00U152	Chrome	UnReel	152 m	8719605019394
8772.00305	Chrome	Reel	305 m	8719605019387
8772.00U305	Chrome	UnReel	305 m	8719605019400
8772 060500	Chrome	Reel	500 ft	612825215806
8772 060U500	Chrome	UnReel	500 ft	612825215783
8772 0601000	Chrome	Reel	1,000 ft	612825215790
8772 060U1000	Chrome	UnReel	1,000 ft	612825215776
8772 0605000	Chrome	Reel	5,000 ft	612825215813

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.307 Revision Date: 05-05-2020
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