



**Product:** [8643](#)

Electronic, 3 C #30 Str TC, PP Ins, OA TC Brd, PVC Jkt

[Request Sample](#)

## Product Description

Electronic, 3 Conductor 30AWG (7x38) Tinned Copper, PP Insulation, Overall Tinned Copper Braid(95%) Shield, PVC Outer Jacket

## 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	Nominal Diameter	No. of Conductors
Conductor(s)	30	7x38	TC - Tinned Copper	0.012 in	3

Conductor Count:	3
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#### Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PP - Polypropylene	0.006 in

#### Color Chart

Number	Color
1	Black
2	Red
3	White

#### Outer Shield Material

Type	Material	Coverage [%]
Braid	TC - Tinned Copper	95 %

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.096 in	0.014 in	Paper Tape

### Construction and Dimensions

#### Cabling

Filler
Textile Strength Member

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
98.5 Ohm/1000ft	11.1 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
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25 pF/ft	43 pF/ft
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#### Current

<b>Max. Recommended Current [A]</b>
0.9 Amps per conductor @ 25°C

#### Voltage

<b>Non-UL Voltage Rating</b>
200 V

#### Temperature Range

Non-UL Temp Rating:	105°C
Operating Temp Range:	-20°C to +105°C

#### Mechanical Characteristics

Bulk Cable Weight:	8 lbs/1000ft
Max Recommended Pulling Tension:	22.5 lbs
Min Bend Radius/Minor Axis:	1 in

#### Standards

CPR Euroclass:	Eca
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#### 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 Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

#### Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2
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#### Plenum/Non-Plenum

Plenum (Y/N):	No
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#### Part Number

##### Variants

Item #	Color	Putup Type	Length	UPC
8643 060100	Chrome	Reel	100 ft	612825213826
8643 060250	Chrome	Reel	250 ft	612825213833

#### Product Notes

Notes:	Conductors cabled around textile strength member
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#### History

Update and Revision:	Revision Number: 0.301 Revision Date: 05-27-2020
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