



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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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	30 AWG	7x38	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PP - Polypropylene	0.006 in (0.15 mm)	Black, Red, White

Outer Shield

Shield Type	Material	Coverage	Notes
Braid	Tinned Copper (TC)	95%	Paper Tape Separator

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Paper Tape	PVC - Polyvinyl Chloride	0.014 in (0.36 mm)	0.096 in (2.4 mm)

Overall Cable Diameter (Nominal):	0.096 in (2.4 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	98.5 Ohm/1000ft (323 Ohm/km)	25 pF/ft (82 pF/m)	43 pF/ft (140 pF/m)	0.9 Amps per Conductor at 25°C

Nom Outer Shield DCR@Cond DCR1-cnvt: 11.1 Ohm/1000ft (36.4 Ohm/km)

Voltage

Voltage Rating
200 V

Mechanical Characteristics

Temperature

Operating
-20°C to +105°C

Bend Radius

Stationary Min.	Installation Min.
1.0 in (25 mm)	1.0 in (25 mm)

Max. Pull Tension:	22.5 lbs (10.2 kg)
Bulk Cable Weight:	8 lbs/1000ft (12 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
CPR Compliance:	CPR Euroclass: Eca
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Conductors cabled around textile strength member
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History

Update and Revision:	Revision Number: 0.371 Revision Date: 09-07-2025
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Part Numbers

Variants

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

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