



REPRESENTATIVE IMAGE

Product: [8434](#)

Electronic, 1 Pr+2 C #25 Str TC+TCCS, PE Ins, IS/OS, PVC Jkt

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Product Description

Electronic, 1 Pair+2 Conductors 25AWG (7x33) Tinned Copper+Tinned Copper Covered Steel, PE Insulation, Individual & Overall Beldfoil® Shield, PVC Outer Jacket

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	25	7x33	TC+TCCS - Tinned Copper + Tinned Copper Covered Steel
Conductor(s)	2	25	7x33	TC+TCCS - Tinned Copper + Tinned Copper Covered Steel

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PE - Polyethylene	0.013 in (0.33 mm)	0.047 in (1.2 mm)	Red & Black
PE - Polyethylene	0.013 in (0.33 mm)	0.047 in (1.2 mm)	Green, White

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	25 AWG (7x33) TC+TCCS	Drain Wire -25 AWG 3X33 SEPTC+4X33 STCCS
Conductor(s)	No Shield				

Table Notes: Shorting Fold (Foil-out)

Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.02 in (0.51 mm)	0.165 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Pair(s)	45.5 Ohm/1000ft	25 pF/ft (82 pF/m)	40 pF/ft (130 pF/m)	1.7 Amps per Conductor at 25°C
Conductor(s)	35.7 Ohm/1000ft (117 Ohm/km)			

Voltage

Voltage Rating
400 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C To +80°C

Bend Radius

Stationary Min.	Installation Min.
1.65 in (41.9 mm)	1.65 in

Max. Pull Tension:	26.4 lbs
Bulk Cable Weight:	12 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

History

Update and Revision:	Revision Number: 0.411 Revision Date: 12-19-2021
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Variants

Item #	Color	Putup Type	Length	UPC
8434 060100	Chrome	Reel	100 ft	612825207047
8434 060500	Chrome	Reel	500 ft	612825207061
8434 0601000	Chrome	Reel	1,000 ft	612825207054
8434 060U1000	Chrome	UnReel	1,000 ft	612825207030

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