

Product: [8434](#) 

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

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REPRESENTATIVE IMAGE

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	No. of Elements	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				

Inner Shield Table Notes:	Shorting Fold (Foil-out)
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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)	Nom. Inductance	Max. Current
Pair(s)	45.5 Ohm/1000ft	25 pF/ft (82 pF/m)	40 pF/ft (130 pF/m)	0.2 µH/ft (0.66 µH/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 (12.0 kg)
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)
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.424 Revision Date: 09-07-2025
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Part Numbers

Variants

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

Footnote:	C - CRATE REEL PUT-UP.
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