



REPRESENTATIVE IMAGE

Product: [8434](#) 

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

 [Request Sample](#)

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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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
25	7x33	TC+TCCS - Tinned Copper + Tinned Copper Covered Steel		1
25	7x33	TC+TCCS - Tinned Copper + Tinned Copper Covered Steel	2	

Conductor Count:	4
Total Number of Pairs:	1

Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.015 in
PE - Polyethylene	0.015 in

Color Chart

Color
Red & Black

Color Chart 2

Color
Green
White

Inner Shield

Element	Type	Material	Material Trade Name	Coverage [%]
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%
Conductor(s)	No Shield			

Table Notes:	Shorting Fold (Foil-out)
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Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	Tinned Copper & Tinned Copper Covered Steel	25	7x33

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.165 in	0.02 in

Electrical Characteristics

Conductor DCR

Element	Individual Pair Nominal Shield DCR	Nominal Conductor DCR
Pair(s)	18.9 Ohm/1000ft	45.5 Ohm/1000ft
Conductor(s)		45.5 Ohm/1000ft

Capacitance

Element	Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
Pair(s)	25 pF/ft	40 pF/ft

Inductance

Nominal Inductance
0.2 µH/ft

Current

Max. Recommended Current [A]
1.3 Amps per Conductor at 25°C

Voltage

Non-UL Voltage Rating
400 V RMS

Temperature Range

Non-UL Temp Rating:	80°C
UL Temp Rating:	80°C
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	12 lbs/1000ft
Max. Pull Tension:	41 lbs
Min. Bend Radius/Minor Axis:	1.75 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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
UL voltage rating:	400 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Put-Up 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

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.404 Revision Date: 08-27-2021
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