



**Product:** [8434](#)

Electronic, 2 Pr #25 Str TC, PO Ins, IS/OS, PVC Jkt

[Request Sample](#)

## Product Description

Electronic, 2 Pair 25AWG (7x33) Tinned Copper, PO 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 Pairs
25	7x33	TC+TCCS - Tinned Copper + Tinned Copper Covered Steel	2

Conductor Count:	4
Total Number of Pairs:	2

#### Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.015 in

#### Color Chart

Number	Color
1	Shielded: Red & Black
2	Unshielded: Green & White

#### Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]
Tape	Alum / Poly	Beldfoil®	100%

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

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

#### Outer Jacket Material

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

### Electrical Characteristics

#### Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
18.9 Ohm/1000ft	45.5 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
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 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):	2004-01-01
MII Order #39 (China RoHS):	Yes

## Flammability, LSOH, 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	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

Footnote: C - CRATE REEL PUT-UP.

## Product Notes

Notes:	Red and Black pair 100% Beldfoil® shielded (foil side out in contact with drain wire). 3 copper, 4 copper-covered steel strands in each conductor.
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## History

Update and Revision:	Revision Number: 0.317 Revision Date: 06-24-2020
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