



Part Number: 8434

Audio/Control/Instrumentation, (2 pr) 25 AWG (7x33) TC+TC covered Steel, PE/PVC, Foil Shld

Product Description

Two 25 AWG pair stranded (7x33) tinned copper/tinned copper covered steel conductors, polyethylene insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
25	7x33	3 strands tinned copper + 4 strands 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	Aluminum Foil-Polyester Tape w/Shorting Fold (foil side out)	Beldfoil®	100 %

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape (foil side in)	Beldfoil®	100 %	3 strands tinned copper + 4 strands tinned copper covered steel	25	7 x 33 awg mm

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 @ 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 Recommended Pulling 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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Part Number

Plenum (Y/N):	No
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Variants

Item #	Color
8434 060100	CHROME
8434 0601000	CHROME
8434 060500	CHROME
8434 060U1000	CHROME

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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