

8434 Multi-Conductor - Special Audio, Communication and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

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

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	25	7x33	3 strands tinned copper + 4 strands tinned copper covered steel

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.381

Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold (foil side out)	100.000

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape (foil side in)	100.000

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
25	7 x 33 awg	3 strands tinned copper + 4 strands tinned copper covered steel

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.508

Overall Cable

Overall Nominal Diameter: 4.191 mm

Pair

Pair Color Code Chart:

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

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 17.858 Kg/Km

Max. Recommended Pulling Tension: 182.376 N

METRIC MEASUREMENT VERSION

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Min. Bend Radius/Minor Axis: 44.450 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.6562

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
82.025

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
131.24

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
149.286

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 62.011 Ohm/km

Max. Operating Voltage - Non-UL:

Voltage
400 V RMS

Max. Recommended Current:

Current
1.3 Amps per conductor @ 25°C

Notes (Overall)

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.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8434 060U1000	1,000 FT	14.000 LB	CHROME		4 #25 PE SH PVC
8434 060100	100 FT	2.000 LB	CHROME		4 #25 PE SH PVC
8434 0601000	1,000 FT	14.000 LB	CHROME	C	4 #25 PE SH PVC
8434 060500	500 FT	7.000 LB	CHROME		4 #25 PE SH PVC

Notes:
C = CRATE REEL PUT-UP.

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