

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.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
25	7x33	3 strands tinned copper + 4 strands tinned copper covered steel	2
Total Number of Conductors:			4

Insulation:

Material	Nominal Wall Thickness
PE - Polyethylene	0.015 in

Color Chart 1:

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

Innershield:

Type	Material	Material Trade Name	Coverage [%]
Tape	Aluminum Foil-Polyester Tape w/Shorting Fold (foil side out)	Beldfoil®	100 %

Outershield 1:

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

Outerjacket 1:

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

Current:

Max. Recommended Current [A]
1.3 Amps per conductor @ 25°C

Inductance:

Nominal Inductance
0.2 μ H/ft

Voltage:

Non-UL Voltage Rating
400 V RMS

Use

Max Recommended Pulling Tension:	41 lbs
----------------------------------	--------

Safety

Temperature Range

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

Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.75 in
-----------------------------	---------

Part Number

Plenum (Y/N):	No
---------------	----

Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

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.
--------	--

Product Variants

Part Number	Color	Put-Up Type	Length
8434 0601000	CHROME	Reel	1000 ft
8434 060100	CHROME	Reel	100 ft
8434 060500	CHROME	Reel	500 ft
8434 060U1000	CHROME	UnReel	1000 ft

© 2016 Belden, Inc

All Rights Reserved

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.