Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9434 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:



Total Number of Conductors:

50

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.011

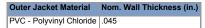
Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:



Overall Cable

Overall Cabling Color Code Chart:

Number	Color				
1	Black				
2	White				
3	Red				
4	Green				
5	Orange				
6	Blue				
7	White/Black				
8	Red/Black				
9	Green/Black				
10	Orange/Black				
11	Blue/Black				
12	Black/White				
13	Red/White				
14	Green/White				
15	Blue/White				
16	Black/Red				
17	White/Red				
18	Orange/Red				
19	Blue/Red				
20	Red/Green				
21	Orange/Green				
22	Black/White/Red				
23	White/Black/Red				
24	Red/Black/White				
25	Green/Black/White				
26	Orange/Black/White				
27	Blue/Black/White				
28	Black/Red/Green				
29	White/Red/Green				
30	Red/Black/Green				
31	Green/Black/Orange				

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32	Orange/Black/Green
33	Blue/White/Orange
34	Black/White/Orange
35	White/Red/Orange
36	Orange/White/Blue
37	White/Red/Blue
38	Black/White/Green
39	White/Black/Green
40	Red/White/Green
41	Green/White/Blue
42	Orange/Red/Green
43	Blue/Red/Green
44	Black/White/Blue
45	White/Black/Blue
46	Red/White/Blue
47	Green/Orange/Red
48	Orange/Red/Blue
49	Blue/Red/Orange
50	Black/Orange/Red

Overall Nominal Diameter:

0.500 in.

Med	Mechanical Characteristics (Overall)				
	Operating Temperature Range:	-20°C To +80°C			
	UL Temperature Rating:	80°C (UL AWM Style 2576)			
	Bulk Cable Weight:	187 lbs/1000 ft.			
	Max. Recommended Pulling Tension:	442 lbs.			
	Min. Bend Radius/Minor Axis:	5 in.			

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards	&	Environmental	Programs
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NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2576 (150 V 80°C)
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):	04/01/2005
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
lame Test	

Flame Test

UL Flame Test:	UL1685 FT4 Loading	UL1685 FT4 Loading		
CSA Flame Test:	FT4			
lenum/Non-Plenum				

Ple

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 15.6

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Max. Operating Voltage - UL:

Voltage 300 V RMS (CMG) 150 V RMS (UL AWM Style 2576)

Max. Recommended Current:

1.2 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9434 0601000	1,000 FT	206.000 LB	CHROME	С	50#22 PVC PVC
9434 060500	500 FT	100.500 LB	CHROME	С	50#22 PVC PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-31-2012

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