



**Part Number: 9434**

Audio/Control/Instrumentation, (50) 22 AWG (7x30) TC, PVC/PVC, CMG

**Product Description**

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

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	50

Conductor Count:	50
AWG Size:	22

**Insulation**

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.011 in

**Color 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
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

#### Outer Shield Material

Material
Unshielded

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.5 in	0.045 in

## Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
15.6 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor
34 pF/ft

#### Inductance

Nominal Inductance
0.17 $\mu$ H/ft

#### Current

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

#### Voltage

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

## Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2576)
Operating Temp Range:	-20°C To +80°C

## Mechanical Characteristics

Bulk Cable Weight:	187 lbs/1000ft
Max Recommended Pulling Tension:	442 lbs
Min Bend Radius/Minor Axis:	5 in

## Standards

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	UL Style 2576 (150 V 80°C)

### 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):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4

### Part Number

Plenum (Y/N):	No
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### Variants

Item #	Color	Footnote
9434 0601000	CHROME	C
9434 060500	CHROME	C

Footnote:	C - CRATE REEL PUT-UP.
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