

## 9433 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information  
please call

1-800-Belden1



### General Description:

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

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
40	22	7x30	TC - Tinned Copper

Total Number of Conductors: 40

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.279

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.016

#### 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

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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

**Overall Nominal Diameter:** 11.557 mm

### Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-20°C To +80°C
<b>UL Temperature Rating:</b>	80°C (UL AWM Style 2576)
<b>Bulk Cable Weight:</b>	224.718 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	1574.663 N
<b>Min. Bend Radius/Minor Axis:</b>	120.650 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMG
<b>CEC/C(UL) Specification:</b>	CMG
<b>AWM Specification:</b>	UL Style 2576 (150 V 80°C)
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes

#### Flame Test

<b>UL Flame Test:</b>	UL1685 FT4 Loading
<b>CSA Flame Test:</b>	FT4

#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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### Electrical Characteristics (Overall)

#### Nom. Inductance:

<b>Inductance (µH/m)</b>
0.55777

#### Nom. Capacitance Conductor to Conductor:

<b>Capacitance (pF/m)</b>
111.554

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
51.1836

#### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS (CMG)
150 V RMS (UL AWM Style 2576)

#### Max. Recommended Current:

<b>Current</b>
1.2 Amps per conductor @ 25°C

## 9433 Multi-Conductor - Audio, Control and Instrumentation Cable

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9433 060100	30 MT	7.530 KG	CHROME	C	40 #22 PVC PVC
9433 0601000	305 MT	72.122 KG	CHROME	C	40 #22 PVC PVC
9433 0603000	914 MT	232.694 KG	CHROME	C	40 #22 PVC PVC
9433 060500	152 MT	37.648 KG	CHROME	C	40 #22 PVC PVC
9433 0605000	1,524 MT	369.680 KG	CHROME	C Z	40 #22 PVC PVC

**Notes:**

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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