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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 (in.)
PVC - Polyvinyl Chloride	0.011

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.040

#### 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
32	Orange/Black/Green
33	Blue/White/Orange
34	Black/White/Orange

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

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: 0.455 in.

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 80°C (UL AWM Style 2576)

Bulk Cable Weight: 151 lbs/1000 ft.

Max. Recommended Pulling Tension: 354 lbs.

Min. Bend Radius/Minor Axis: 4.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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

#### Flame Test

UL Flame Test: UL1685 FT4 Loading

CSA Flame Test: FT4

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/ft)

.17

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

34

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15.6

#### Max. Operating Voltage - UL:

Voltage

300 V RMS (CMG)

150 V RMS (UL AWM Style 2576)

#### Max. Recommended Current:

Current

1.2 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9433 060100	100 FT	16.600 LB	CHROME	C	40 #22 PVC PVC
9433 0601000	1,000 FT	159.000 LB	CHROME	C	40 #22 PVC PVC
9433 0603000	3,000 FT	513.000 LB	CHROME	C	40 #22 PVC PVC
9433 060500	500 FT	83.000 LB	CHROME	C	40 #22 PVC PVC
9433 0605000	5,000 FT	815.000 LB	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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