

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

For more Information please call

1-800-Belden1

### **General Description:**

26

27

Orange/Black/White

Blue/Black/White

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

Physica	I Characteristics	(Overall)			
Conduc					
AWG:					
	nductors AWG Strandin	g Conductor Material			
40	22 7x30	TC - Tinned Copper			
Total Number of Conductors:			40		
Insulatio	on				
Insulat	tion Material:				
Insu	lation Material Wall	Thickness (mm)			
PVC	- Polyvinyl Chloride 0.279	)			
Outor Cl	hiald				
Outer Sl	nield Shield Material:				
	er Shield Material				
Unsr	nielded				
Outer Ja	acket				
	Jacket Material:				
Oute	er Jacket Material Nom	. Wall Thickness (mm)			
	- Polyvinyl Chloride 1.016				
Overall					
	I Cabling Color Code	Chart:			
Num	iber Color				
1	Black				
2	White				
3	Red				
4	Green				
5	Orange				
6	Blue				
7	White/Black				
8	Red/Black				
9	Green/Black				
10 11	Orange/Black Blue/Black				
11	Black/White				
12	Red/White				
13	Green/White				
14	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				
<u> </u>					



# METRIC MEASUREMENT VERSION

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

28 BlackRed/Green   30 Red/Black/Oren   31 Green/Black/Orange   32 Orange/Black/Orange   33 Black/White/Orange   34 Black/White/Orange   35 White/Red/Drange   36 Orange/White/Blue   37 White/Red/Blue   38 Black/White/Green   39 White/Red/Koren   40 Red/White/Green   9 Vwhite/Red/Koren   40 Red/White/Green   9 Vwhite/Red/Koren   40 Red/White/Green   9 Vwhite/Red/Koren   40 Red/White/Green   9 Operating Temperature Range: -20°C To +80°C   UL Temperature Rating: 80°C (UL AWM Style 2576)   Buik Cable Weight: 224.718 kg/km   Max. Recommended Pulling Tension: 1574.663 N   Min. Bend Radius/Minor Axis: 120.650 mm   Applicable Specifications and Agency Compliance (Overall)   Applicable Standards & Environmental Programs   NEC/(UL) Specification: CMG   CEC/C(UL) Specification: UL Style 2576 (	
30 Red/Black/Green   31 Green/Black/Green   32 Orange/Black/Green   33 Blue/White/Orange   34 Black/White/Orange   35 White/Red/Orange   36 Orange/White/Blue   37 White/Red/Orange   36 Orange/White/Blue   37 White/Red/Orange   40 Red/White/Green   33 Black/White/Green   40 Red/White/Green   51 Poerating Temperature Range:   20°C To +80°C UL   UL Temperature Rating: 80°C (UL AWM Style 2576)   Bulk Cable Weight: 224.718 Kg/Km   Max. Recommended Pulling Tension: 1574.663 N   Min. Bend Radius/Minor Axis: 120.650 mm   pplicable Specifications and Agency Compliance (Overall	
31 Green/Black/Orange   32 Orange/Black/Green   33 Black/White/Orange   34 Black/White/Orange   35 White/Red/Orange   36 Orange/Black/Green   37 White/Red/Blue   38 Black/White/Blue   37 White/Red/Blue   38 Black/White/Green   40 Red/White/Green   41 Red/White/Green   42 Red/White/Green   44 Red/White/Green   45 Red/Whit	
32Orange/Black/Green33Blue/White/Orange34Black/White/Orange35White/Red/Orange36Orange/White/Blue37White/Red/Blue38Black/White/Green30White/Black/Green40Red/White/Green30White/Black/Green40Red/White/Green91White/Black/Green40Red/White/Green92Stantical Characteristics (Overall)Operating Temperature Range:-20°C To +80°CUL Temperature Rating:80°C (UL AWM Style 2576)Bulk Cable Weight:224.718 Kg/KmMax. Recommended Pulling Tension:1574.663 NMin. Bend Radius/Minor Axis:120.650 mmStandards & Environmental ProgramsNEC/(UL) SpecificationsCMGCE/C(UL) Specification:CMGCE/C(UL) Specification:CMGAWM Specification:UL Style 2576 (150 V 80°C)EU Directive 2011/65/EU (ROHS II):Yes	
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/Red/Blue   39 Red/White/Green   40 Red/White/Green   39 White/Black/Green   40 Red/White/Green   Overall Nominal Diameter: 11.557 mm   hanical Characteristics (Overall)   Operating Temperature Range: -20°C To +80°C   UL Temperature Rating: 80°C (UL AWM Style 2576)   Bulk Cable Weight: 224.718 Kg/Km   Max. Recommended Pulling Tension: 1574.663 N   Min. Bend Radius/Minor Axis: 120.650 mm   tilcable Specifications and Agency Compliance (Overall)   Dilcable Standards & Environmental Programs NEC/(UL) Specification:   NEC/(UL) Specification: CMG   CEC/C(UL) Specification: UL Style 2576 (150 V 80°C)   EU Directive 2011/65/EU (ROHS II): Yes	
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/Red/Sile   38 Black/White/Green   40 Red/White/Green   39 White/Red/Sile   39 Red/White/Green   Overall Nominal Diameter:   11.557 mm   hanical Characteristics (Overall)   Operating Temperature Range: -20°C To +80°C   UL Temperature Rating: 80°C (UL AWM Style 2576)   Bulk Cable Weight: 224.718 Kg/Km   Max. Recommended Pulling Tension: 1574.663 N   Min. Bend Radius/Minor Axis: 120.650 mm   licable Specifications and Agency Compliance (Overall)   vilcable Standards & Environmental Programs NEC/(UL) Specification:   NEC/(UL) Specification: CMG   CE/C(UL) Specification: UL Style 2576 (150 V 80°C)   EU Directive 2011/65/EU (ROHS II): Yes	
35 White/Red/Orange   36 Orange/White/Blue   37 White/Red/Blue   38 Black/White/Green   40 Red/White/Green   40 Red/White/Green   40 Red/White/Green   40 Red/White/Green   41 State   42 Red/White/Green   43 Black/White/Green   44 Red/White/Green   45 Cycerall Nominal Diameter:   46 Red/White/Green   47 Red/White/Green   48 Black/White/Green   49 White/Red/Orange   40 Red/White/Green   40 Red/White/Green   41 State   42 State   44 State   45 State   46 State   47 State   48 State   49 State   40 State   41 State   42 State   44 State   45 <td< th=""><th></th></td<>	
36 Orange/White/Blue   37 White/Red/Blue   38 Black/White/Green   39 White/Black/Green   40 Red/White/Green   40 Red/White/Green   9 White/Black/Green   40 Red/White/Green   9 White/Black/Green   9 White/Green   9 Operating Temperature Range:   9 -20°C To +80°C   UL Temperature Rating: 80°C (UL AWM Style 2576)   Bulk Cable Weight: 224.718 Kg/Km   Max. Recommended Pulling Tension: 1574.663 N   Min. Bend Radius/Minor Axis: 120.650 mm   Licable Specifications and Agency Compliance (Overall)   Dicable 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	
36 Orange/White/Blue   37 White/Red/Blue   38 Black/White/Green   39 White/Black/Green   40 Red/White/Green   9 White/Black/Green   40 Red/White/Green   9 White/Black/Green   9 White/Green   9 White/Green   9 Red/White/Green   9 Poperating Coverall   9 Red/White/Green   9 White/Black/Green   9 White/Black/Green   9 White/Green   9 White/Green   9 White/Green   9 White/Green   9 White/Green   9 Red/White/Green   9 Red/White/Green   9 Red/White/Green   9 Secondation   9 CUL AWM Style 2576)   9 Bulk Cable Weight: 224.718 Kg/Km   Max. Recommended Pulling Tension: 1574.663 N   11cable Specifications and Agency Compliance (Overall) 10   11cable Standards & Environmental Programs <th></th>	
37 White/Red/Blue   38 Black/White/Green   39 White/Black/Green   40 Red/White/Green   Doverall Nominal Diameter: 11.557 mm   Interfactoristics (Overall)   Operating Temperature Range:   -20°C To +80°C   UL Temperature Rating: 80°C (UL AWM Style 2576)   Bulk Cable Weight: 224.718 Kg/Km   Max. Recommended Pulling Tension: 1574.663 N   Min. Bend Radius/Minor Axis: 120.650 mm   Icable Specifications and Agency Compliance (Overall)   Itable Standards & Environmental Programs CMG   CEC/(UL) Specification: CMG   CEC/(UL) Specification: CMG   AWM Specification: UL Style 2576 (150 V 80°C)   EU Directive 2011/65/EU (ROHS II): Yes	
39White/Black/Green40Red/White/GreenOverall Nominal Diameter:11.557 mmchanical Characteristics (Overall)Operating Temperature Range:-20°C To +80°CUL Temperature Rating:80°C (UL AWM Style 2576)Bulk Cable Weight:224.718 Kg/KmMax. Recommended Pulling Tension:1574.663 NMin. Bend Radius/Minor Axis:120.650 mmOticable Specifications and Agency Compliance (Overall)Objective Standards & Environmental ProgramsNEC/(UL) Specification:CMGCEC/C (UL) Specification:UL Style 2576 (150 V 80°C)EU Directive 2011/65/EU (ROHS II):Yes	
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Min. Bend Radius/Minor Axis: 120.650 mm   Ilicable Specifications and Agency Compliance (Overall)   Dicable 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	
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NEC/(UL) Specification:CMGCEC/C(UL) Specification:CMGAWM Specification:UL Style 2576 (150 V 80°C)EU Directive 2011/65/EU (ROHS II):Yes	
AWM Specification:   UL Style 2576 (150 V 80°C)     EU Directive 2011/65/EU (ROHS II):   Yes	
EU Directive 2011/65/EU (ROHS II): Yes	
ne Test	
UL Flame Test: UL 1685 FT4 Loading	
CSA Flame Test: FT4	
num/Non-Plenum	
Plenum (Y/N): No	
ctrical Characteristics (Overall)	
m. Inductance:	
Inductance (µH/m)	
0.55777	
n Canacitanaa Candustar ta Candustar	
m. Capacitance Conductor to Conductor:	
Capacitance (pF/m)	
111.554	
n. Conductor DC Resistance:	
DCR @ 20°C (Ohm/km)	
1.1836	
c. Operating Voltage - UL:	
/oltage	
800 V RMS (CMG)	
50 V RMS (UL AWM Style 2576)	
x. Recommended Current:	
Current	
1.2 Amps per conductor @ 25°C	

# **Detailed Specifications & Technical Data**



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

#### Put Ups and Colors:

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