

## 9626 Multi-Conductor - Audio, Control and Instrumentation Cable



### Description:

18 AWG stranded (19x30) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
25	18	19x30	TC - Tinned Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.017

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.060

#### Overall Cabling

##### Overall Cabling Lay Length & Direction:

Length (in.)	Twists (ft.)
5.90	2.0

##### 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

## 9626 Multi-Conductor - Audio, Control and Instrumentation Cable

21	Orange/Green
22	Black/White/Red
23	White/Black/Red
24	Red/Black/White
25	Green/Black/White

**Overall Nominal Diameter:** 0.612 in.

### Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-20°C To +60°C
<b>UL Temperature Rating:</b>	60°C (UL AWM Style 2598)
<b>Bulk Cable Weight:</b>	264 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	625 lbs.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	6.100 in.

### 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 2598 (300 V 60°C)
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

#### Flame Test

**C(UL) Flame Test:** FT4

#### Plenum/Non-Plenum

**Plenum (Y/N):** No

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/ft)**

26

#### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)**

6.3

#### Max. Operating Voltage - UL:

**Voltage**

300 V RMS (UL AWM Style 2598)

#### Max. Recommended Current:

**Current**

2.5 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9626 060100	100 FT	27.400 LB	CHROME	C	25#18 PVC PVC

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## 9626 Multi-Conductor - Audio, Control and Instrumentation Cable

9626 0601000	1,000 FT	260.000 LB	CHROME	C	25#18 PVC PVC
9626 060500	500 FT	130.500 LB	CHROME	C	25#18 PVC PVC

**Notes:**

C = CRATE REEL PUT-UP.

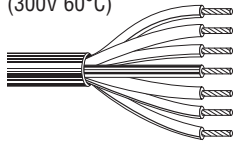
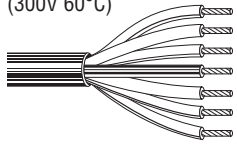
# Unshielded

## Audio, Control and Instrumentation Cables Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

**18 AWG** Stranded (19x30) Tinned Copper Conductors • Conductors Cabled *(continued)*

**PVC Insulation • Chrome PVC Jacket**


	<b>8619</b>	UL AWM Style 2598 (300V 60°C)	NEC: 19	See	100	30.5	20.3	9.2	.017	.43	.045	1.14	.490	12.45
		CMG	Chart 2R	500	152.4	101.0	45.9							
		CEC: CMG FT4	(Tech Info Section)	1000	304.8	198.0	90.0							
	<b>9626</b>		NEC: 25	See	100	30.5	29.1	13.2	.017	.43	.060	1.52	.612	15.54
			CMG	Chart 2R	500	152.4	139.5	63.3						
			CEC: CMG FT4	(Tech Info Section)	1000	304.8	277.0	125.8						

**Plenum • FEP Insulation • Red FEP Jacket**

	<b>88489</b>	300V RMS	NEC: 4	Black, White, Red, Green	500 <sup>†</sup>	152.4	14.5	6.6	.007	.18	.009	.23	.161	4.09
			CMP		1000 <sup>†</sup>	304.8	29.0	13.2						
			CEC: CMP FT6											


Suitable for Outdoor and Direct Burial applications.

**Plenum • FEP Insulation • Natural Flamarrest® Jacket**

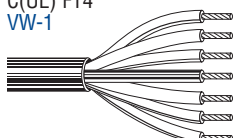
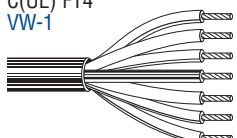
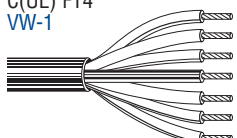
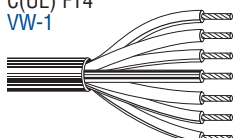
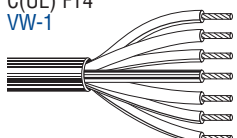
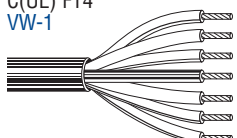
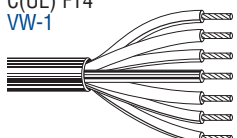
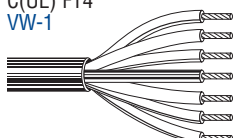
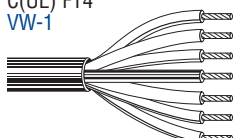
	<b>82489</b>	300V RMS	NEC: 4	Black, White, Red, Green	U-1000 <sup>†</sup>	U-304.8	31.0	14.1	.007	.18	.014	.36	.170	4.32
			CMP		1000 <sup>†</sup>	304.8	29.0	13.2						
			CEC: CMP FT6											

**16 AWG** Stranded (19x29) Tinned Copper Conductors • Conductors Cabled

**PVC Insulation • Cabled Wire (No Jacket)**

	<b>9498</b>	UL AWM Style 1007 (300V 80°C) VW-1	—	3	Orange, Black, Orange w/ Black Stripe	1000	304.8	42.0	19.1	.027	.69	—	—	.243	6.17
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**PVC Insulation • Chrome PVC Jacket**

	<b>8620</b>	600V RMS 80°C C(UL) FT4 VW-1	—	4	See Chart 2 (Tech Info Section)	100	30.5	8.9	4.0	.031	.79	.042	1.07	.376	9.55
						500	152.4	44.0	20.0						
						1000	304.8	88.0	40.0						
	<b>9620</b>		—	5	See Chart 2 (Tech Info Section)	100	30.5	11.0	5.0	.031	.79	.042	1.07	.411	10.44
						500	152.4	53.5	24.3						
						1000	304.8	109.0	49.5						
	<b>8621</b>		—	7	See Chart 2R (Tech Info Section)	100	30.5	13.2	6.0	.031	.79	.045	1.14	.458	11.63
						500	152.4	73.5	33.4						
						1000	304.8	143.0	65.0						
	<b>9721</b>		—	8	See Chart 2R (Tech Info Section)	100	30.5	27.3	12.4	.031	.79	.045	1.14	.496	12.60
						500	152.4	136.5	62.0						
						1000	304.8	269.0	122.1						
	<b>9621</b>		—	9	See Chart 2R (Tech Info Section)	100	30.5	17.0	7.8	.031	.79	.045	1.14	.533	13.54
						500	152.4	94.0	42.7						
						1000	304.8	181.0	82.2						
	<b>8622</b>		—	12	See Chart 2R (Tech Info Section)	100	30.5	27.0	12.3	.031	.79	.060	1.52	.627	15.93
						500	152.4	126.5	57.4						
						1000	304.8	251.0	114.0						
	<b>8623</b>		—	15	See Chart 2R (Tech Info Section)	100	30.5	32.5	14.8	.031	.79	.060	1.52	.694	17.63
						500	152.4	155.5	70.6						
						1000	304.8	314.0	142.6						
	<b>8624</b>		—	19	See Chart 2R (Tech Info Section)	100	30.5	36.8	16.7	.031	.79	.065	1.65	.740	18.80
						500	152.4	178.5	81.0						
						1000	304.8	361.0	164.0						
	<b>9622</b>		—	25	See Chart 2R (Tech Info Section)	100	30.5	49.0	22.2	.031	.79	.065	1.65	.879	22.33
						500	152.4	236.0	107.1						
						1000	304.8	480.0	217.9						

<sup>†</sup>Spools and/or UnReel® cartons are one piece, but length may vary ± 10% for spools and ± 5% for UnReel from length shown.