

## 9261 Multi-Conductor - Audio, Control and Instrumentation Cable



### Description:

20 AWG stranded (7x28) tinned copper conductors PVC insulation, tinned copper braid shield (85% shield coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Conductors	AWG	Stranding	Conductor Material
12	20	7x28	TC - Tinned Copper

#### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.016

#### Outer Shield

**Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	85

#### Outer Jacket

**Outer Jacket Material:**

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

#### Overall Cabling

**Overall Cabling Lay Length & Direction:**

Length (in.)
4.0

**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

**Overall Nominal Diameter:** 0.396 in.

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 80°C (UL AWM Style 2464)

## 9261 Multi-Conductor - Audio, Control and Instrumentation Cable

<b>Bulk Cable Weight:</b>	109.700 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	180 lbs.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	4 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 2464 (300 V 80°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

<b>UL Flame Test:</b>	UL1685 FT4 Loading
<b>C(UL) Flame Test:</b>	FT4

#### Plenum/Non-Plenum

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

#### Nom. Inductance:

Inductance (µH/ft)

.188

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

26

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

57

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

9.5

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.4

#### Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2464)

#### Max. Recommended Current:

Current

3.2 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9261 060100	100 FT	12.000 LB	CHROME		12 #20 PVC SHLD PVC

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## 9261 Multi-Conductor - Audio, Control and Instrumentation Cable

9261 0601000	1,000 FT	119.000 LB	CHROME	C	12 #20 PVC SHLD PVC
9261 060500	500 FT	60.000 LB	CHROME	C	12 #20 PVC SHLD PVC

**Notes:**

C = CRATE REEL PUT-UP.

# Overall Braid and Special Shielding

Audio, Control and Instrumentation Cables

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		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

**30 AWG** Stranded (7x38) TC Conductors • Conductors Cabled around Textile Strength Member • Paper Separator • TC Braid Shield (95% Coverage)

**Polypropylene Insulation • Chrome PVC Jacket**

200V RMS 105°C	<b>8643</b>	—	3	Black, Red, White	100 250	30.5 76.2	1.1 3.0	.5 1.4	.006 .15	.014 .36	.096 2.44	25 82	43 141				
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Conductors cabled around textile strength member.

**22 AWG** Stranded (7x30) Tinned Copper Conductors • Conductors Cabled • Tinned Copper Braid Shield (70% Coverage)

**PVC Insulation • Chrome PVC Jacket**

UL AWM Style 2095 (300V 80°C)	<b>8735</b>	NEC: CMG CEC: CMG FT4	3	Black, Red, White	500 U-1000 1000	152.4 U-304.8 304.8	14.0 27.0 27.0	6.4 12.3 12.3	.015 .38	.025 .64	.202 5.13	34 112	60 197				
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**20 AWG** Stranded (7x28) Tinned Copper Conductors • Tinned Copper Braid Shield (85% Coverage)

**PVC Insulation • Chrome PVC Jacket**

UL AWM Style 2464 (300V 80°C)	<b>9260</b>	NEC: CMG CEC: CMG FT4	6	See Chart 2 (Tech Info Section)	100	30.5	7.3	3.3	.016	.41	.032	.81	.305	7.75	26	85	50	164				
					500	152.4	35.5	16.1	1000	304.8	69.0	31.4										
	<b>9261</b>	NEC: CMG CEC: CMG FT4	12	See Chart 2R (Tech Info Section)	100	30.5	12.0	5.5	.016	.41	.040	1.02	.396	10.06	26	85	57	187				
					500	152.4	60.0	27.3	1000	304.8	119.0	54.1										



**Combination Shielded/Unshielded • 22 AWG** Stranded (7x30) TC Conductors • Conductors Cabled • TC Braid Shield (80% Coverage)†

**PVC Insulation • Chrome PVC Jacket**

UL AWM Style 2785 (300V 80°C)	<b>8734</b>	NEC: CM	3: 1 Shld 2 Unshld	Black, Red, White	U-1000 1000	U-304.8 304.8	23.0 21.0	10.4 9.6	.015 .38	.025 .64	.194 4.93	—	—	79	259				
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†Tinned copper braid shield over one conductor (80% coverage).

**Overall Spiral Shield • 18 AWG** Stranded (7x26) TC Conductors • Conductors Cabled • Tinned Copper Spiral Wrap (80% Coverage)

**PVC Insulation • Chrome PVC Jacket**

450V RMS 80°C VW-1	<b>8791</b>	—	3	Black, Red, White	500 U-1000 1000	152.4 U-304.8 304.8	23.0 44.0 46.0	10.4 20.0 20.9	.022 .56	.028 .71	.260 6.60	47	154	84	276				
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TC = Tinned Copper

\*Capacitance between conductors.

\*\*Nominal capacitance conductor to conductor and shield.