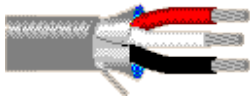


## 8771 Multi-Conductor - Audio, Control and Instrumentation Cable



### Description:

22 AWG stranded (7x30) tinned copper conductors, conductors cabled, polyethylene insulation, overall Beldfoil® shield (100% coverage), 22 AWG stranded tinned copper drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
3	22	7x30	TC - Tinned Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
PE - Polyethylene	.016

#### Outer Shield

##### Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

##### Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
22	7x30		TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.033

#### Overall Cabling

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

Length (in.)	Twists (ft.)
1.5	8

##### Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Clear

Overall Nominal Diameter: 0.199 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2093)
Bulk Cable Weight:	21.700 lbs/1000 ft.
Max. Recommended Pulling Tension:	36 lbs.
Min. Bend Radius (Install)/Minor Axis:	2 in.

## 8771 Multi-Conductor - Audio, Control and Instrumentation Cable

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2093 (300 V 60°C)
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Flame Test

UL Flame Test:	UL1685 UL Loading
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#### Plenum/Non-Plenum

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

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
23

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

Capacitance (pF/ft)
41

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
11.7

#### Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2093)

#### Max. Recommended Current:

Current
2.9 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8771 060U1000	1,000 FT	23.000 LB	CHROME		3 #22 PE FS PVC
8771 060U500	500 FT	12.000 LB	CHROME		3 #22 PE FS PVC
8771 0601000	1,000 FT	24.000 LB	CHROME	C	3 #22 PE FS PVC
8771 06010000	10,000 FT	240.000 LB	CHROME	C Y	3 #22 PE FS PVC
8771 060250	250 FT	6.250 LB	CHROME		3 #22 PE FS PVC
8771 060500	500 FT	12.000 LB	CHROME		3 #22 PE FS PVC

#### Notes:

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

# Overall Beldfoil® Shield

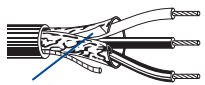
## Audio, Control and Instrumentation Cables

### Non-Plenum

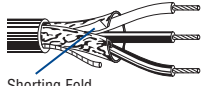
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

**22 AWG** Stranded (7x30) TC Conductors • Conductors Cabled • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire

**Polypropylene Insulation • Brown PVC Jacket**

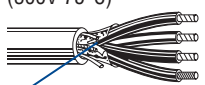
 <p>Z-Fold®</p>	300V RMS	<b>9770</b>	NEC: 3	Black,	U-500	U-152.4	9.0	4.1	.008	.20	.020	.51	.145	3.68	32	105	60	197
			CM	Red,	500	152.4	9.0	4.1										
			CEC: White		U-1000	U-304.8	18.0	8.2										
			CM		1000	304.8	17.0	7.7										

**Polyethylene Insulation • Chrome PVC Jacket**

 <p>Shorting Fold</p>	UL AWM Style 2093 (300V 60°C)	<b>8771</b>	NEC: 3	Black,	250	76.2	6.3	2.8	.016	.41	.033	.84	.199	5.05	23	75	41	134
			CM	Red,	U-500	U-152.4	12.0	5.5										
			CEC: Clear		500	152.4	12.0	5.5										
			CM		U-1000	U-304.8	23.0	10.4										
					1000	304.8	24.0	10.9										
					10000†	3048.0	240.0	109.1										

**22 AWG** Stranded (19x34) TC Conductors • Conductors Cabled • Overall Beldfoil Shield (100% Coverage) • 23 and 25 AWG Drain Wires††

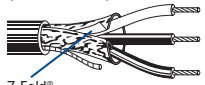
**Polyethylene Insulation • White PVC Jacket**

 <p>Z-Fold®</p>	UL AWM Style 2094 (300V 75°C)	<b>8729</b>	NEC: 4	Black,	U-500	U-152.4	23.0	10.5	.016	.41	.051	1.30	.257	6.53	22	72	42	138
			CM, CL3	Red,	500	152.4	21.5	9.8										
			CEC: Green,		U-1000	U-304.8	45.0	20.4										
			CM	Clear	1000	304.8	47.0	21.4										

†† 8729 has three 23 AWG solid and one 25 AWG stranded tinned copper-coated steel drain wires.

**20 AWG** Stranded (7x28) TC Conductors • Conductors Cabled • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire

**Polyethylene Insulation • Chrome PVC Jacket**

 <p>Z-Fold®</p>	UL AWM Style 2093 (300V 60°C)	<b>8772</b>	NEC: 3	Black,	U-500	U-152.4	16.0	7.3	.016	.41	.033	.84	.218	5.54	27	89	51	167
			CM	Red,	500	152.4	16.0	7.3										
			CEC: Clear		U-1000	U-304.8	31.0	14.1										
			CM		1000	304.8	32.0	14.5										

TC = Tinned Copper

\*Capacitance between conductors.

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

†Final put-up may vary -10% to +20%. May contain two pieces, minimum length of any one piece is 1500 ft.