

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



For more Information  
please call

1-800-Belden1



### 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 (mm)
PE - Polyethylene	0.4064

#### 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 (mm)
PVC - Polyvinyl Chloride	0.8382

#### Overall Cabling

Overall Cabling Lay Length & Direction:

Length (mm)	Twists (m.)
38.09985	2.4384

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Clear

Overall Nominal Diameter: 5.055 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2093)
Bulk Cable Weight:	32.294 Kg/Km
Max. Recommended Pulling Tension:	160.135 N
Min. Bend Radius (Install)/Minor Axis:	50.800 mm

## 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/m)
75.463

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

Capacitance (pF/m)
134.521

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
49.215

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
38.3877

### Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2093)

### Max. Recommended Current:

Current
2.9 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8771 060U1000	305 MT	10.433 KG	CHROME		3 #22 PE FS PVC
8771 060U500	152 MT	5.443 KG	CHROME		3 #22 PE FS PVC
8771 0601000	305 MT	10.886 KG	CHROME	C	3 #22 PE FS PVC
8771 06010000	3,048 MT	108.863 KG	CHROME	C Y	3 #22 PE FS PVC
8771 060250	76 MT	2.835 KG	CHROME		3 #22 PE FS PVC
8771 060500	152 MT	5.443 KG	CHROME		3 #22 PE FS PVC

## METRIC MEASUREMENT VERSION

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

**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'.

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