

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

For more Information  
please call

1-800-Belden1

**General 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

Total Number of Conductors: 3

**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 Cable****Overall Cabling Lay Length & Direction:**

Length (mm)	Direction	Twists (twist/m)
50.800	Left Hand	19.686

**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:	32.740 Kg/Km
Max. Recommended Pulling Tension:	160.135 N
Min. Bend Radius/Minor Axis:	50.800 mm

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

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CM
NEC Articles:	800
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2093 (300 V 60°C)
EU Directive 2011/65/EU (ROHS II):	Yes
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
CSA Flame Test:	FT1

## Suitability

Suitability - Indoor:	Yes
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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 &amp; 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

## Max. Recommended Current:

Description	Current
10C Temperature Rise	2.9 Amps per conductor @ 25°C ambient

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
600008771	1 EA	0.000 LB			RKWTS 4-288/50 M
8771 060U1000	1,000 FT	23.000 LB	CHROME		3 #22 PE FS PVC

## METRIC MEASUREMENT VERSION

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

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'.

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