

## 8791 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information  
please call

1-800-Belden1



### General Description:

Overall spiral shield, 18 AWG stranded (7x26) tinned copper conductors, conductors cabled, PVC insulation, tinned copper spiral wrapped shield (80% shield coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
3	18	7x26	TC - Tinned Copper

Total Number of Conductors: 3

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.022

#### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Spiral Serve	TC - Tinned Copper	80

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.028

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	White

Overall Nominal Diameter: 0.260 in.

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 42 lbs/1000 ft.

Max. Recommended Pulling Tension: 67 lbs.

Min. Bend Radius/Minor Axis: 2.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MIL Order #39 (China RoHS): Yes

### Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

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**Capacitance (pF/ft)**

47

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

**Capacitance (pF/ft)**

84

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

5.9

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

16

**Max. Operating Voltage - Non-UL:**

**Voltage**

450 V RMS

**Max. Recommended Current:**

**Current**

5.1 Amps per conductor at 25°C

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8791 060U1000	1,000 FT	44.000 LB	CHROME		3 #18 PVC SHLD PVC
8791 0601000	1,000 FT	46.000 LB	CHROME	C	3 #18 PVC SHLD PVC
8791 060500	500 FT	23.000 LB	CHROME	C	3 #18 PVC SHLD PVC
8791 0605000	5,000 FT	225.000 LB	CHROME	C Z	3 #18 PVC SHLD PVC

**Notes:**

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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