

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 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

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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:**

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 060I1000	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.

Test Reports**a) UL**

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

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