

## 8735 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, PVC insulation, tinned copper braid shield (70% shield coverage), 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.)
PVC - Polyvinyl Chloride	.015

#### Outer Shield

##### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	70

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.025

#### Overall Cable

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

Length (in.)	Twists (ft.)
3	4

##### Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	White

Overall Nominal Diameter: 0.202 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2095)
Bulk Cable Weight:	25.600 lbs/1000 ft.
Max. Recommended Pulling Tension:	57 lbs.
Min. Bend Radius (Install)/Minor Axis:	2 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG

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<b>AWM Specification:</b>	UL Style 2095 (300 V 80°C)
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

### Flame Test

<b>C(UL) Flame Test:</b>	FT4
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### Plenum/Non-Plenum

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

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

<b>Capacitance (pF/ft)</b>
60

### Max. Capacitance Conductor to Conductor:

<b>Capacitance (pF/ft)</b>
34

### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/1000 ft)</b>
15

### Nominal Outer Shield DC Resistance:

<b>DCR @ 20°C (Ohm/1000 ft)</b>
8.12

### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS (UL AWM Style 2095)

### Max. Recommended Current:

<b>Current</b>
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
8735 0601000	1,000 FT	27.000 LB	CHROME	C	3 #22 PVC SHLD PVC
8735 060500	500 FT	14.000 LB	CHROME	C	3 #22 PVC SHLD PVC

**Notes:**  
C = CRATE REEL PUT-UP.

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