

## 8690 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### Description:

18 AWG stranded (16x30) tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
3	18	16x30	TC - Tinned Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.330

#### Inner Shield

##### Inner Shield Material:

Inner Shield Material
Unshielded

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.8128

#### Overall Cabling

Overall Nominal Diameter: 8.814 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
Non-UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	87.060 Kg/Km
Max. Recommended Pulling Tension:	596.059 N
Min. Bend Radius (Install)/Minor Axis:	88.900 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

METRIC MEASUREMENT VERSION

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<b>CEC/C(UL) Specification:</b>	CMG
<b>AWM Specification:</b>	UL Style 2464 (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. Inductance:

<b>Inductance (µH/m)</b>
0.55777

### Nom. Capacitance Conductor to Conductor:

<b>Capacitance (pF/m)</b>
83.6655

### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
19.2267

### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS (UL AWM Style 2464)

### Max. Recommended Current:

<b>Current</b>
3.4 Amps per conductor @ 20°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8690 060U500	152 MT	14.742 KG	CHROME		3 PR #18 PVC FRPVC
8690 060100	30 MT	3.175 KG	CHROME		3 PR #18 PVC FRPVC
8690 0601000	305 MT	29.484 KG	CHROME	C	3 PR #18 PVC FRPVC
8690 060500	152 MT	15.422 KG	CHROME	C	3 PR #18 PVC FRPVC

### Notes:

C = CRATE REEL PUT-UP.

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