

8690 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1

**General 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

Total Number of Conductors:

6

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 Cable

Overall Nominal Diameter:

8.814 mm

Pair**Pair Color Code Chart:**

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

Pair Lay Length & Direction:

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

Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 80°C (UL AWM Style 2464)

Bulk Cable Weight: 90.780 Kg/Km

Max. Recommended Pulling Tension: 596.059 N

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Min. Bend Radius/Minor Axis: 88.900 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMG

NEC Articles: 800

CEC/C(UL) Specification: CMG

AWM Specification: UL Style 2464 (300 V 80°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): 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

MII Order #39 (China RoHS): Yes

Flame Test

CSA Flame Test: FT4

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)**Nom. Inductance:**

Inductance (μH/m)

0.55777

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

83.6655

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

19.2267

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Description Current

10C Temperature Rise 3.4 Amps per conductor @ 25°C ambient

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
8690 0605000	1,524 MT	158.758 KG	CHROME		3 PR #18 PVC FRPVC

Notes:

C = CRATE REEL PUT-UP.

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