Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8690 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information please call

1-800-Belden1



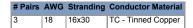
General Description:

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

Physical Characteristics (Overall)

Conductor

AWG:



Total Number of Conductors:

6

Insulation

Insulation Material:

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

Inner Shield

Inner Shield Material:



Outer Shield

Outer Shield Material:



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
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)

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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	l

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8690 060U500	500 FT	32.500 LB	CHROME		3 PR #18 PVC FRPVC
8690 060100	100 FT	7.000 LB	CHROME		3 PR #18 PVC FRPVC
8690 0601000	1,000 FT	65.000 LB	CHROME	С	3 PR #18 PVC FRPVC
8690 060500	500 FT	34.000 LB	CHROME	С	3 PR #18 PVC FRPVC
8690 0605000	5,000 FT	350.000 LB	CHROME		3 PR #18 PVC FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Date: 08-07-2013 Revision Number: 3

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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