



**Part Number: 8690**

Audio/Control/Instrumentation, (3 pr) 18 AWG (16x30) TC, PVC/PVC, CMG

[Request Sample](#)

## Product Description

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

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
18	16x30	TC - Tinned Copper	3

Conductor Count:	6
Total Number of Pairs:	3
Conductor Size:	18 AWG

#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.013 in

#### Color Chart

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

#### Inner Shield Material

Material
Unshielded

#### Outer Shield Material

Material
Unshielded

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.347 in	0.032 in

### Construction and Dimensions

#### Stranding

Lay Direction	Twists
Left Hand	6 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
5.86 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor

25.5 pF/ft
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Shielding:	Unshielded
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#### Inductance

##### Nominal Inductance

0.17 $\mu$ H/ft
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#### Current

Element	Max. Recommended Current [A]
10C Temperature Rise	3.4 Amps per conductor @ 25°C ambient

#### Voltage

##### UL Voltage Rating

300 V RMS
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#### Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2464)
Operating Temp Range:	-20°C To +80°C

#### Mechanical Characteristics

Bulk Cable Weight:	61 lbs/1000ft
Max Recommended Pulling Tension:	134 lbs
Min Bend Radius/Minor Axis:	3.5 in

#### Standards

NEC Articles:	800
NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	UL Style 2464 (300 V 80°C)
CPR Euroclass:	Eca

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
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#### Flammability, LSOH, Toxicity Testing

CSA Flammability:	FT4
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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#### Part Number

#### Variants

Item #	Color	Footnote
8690 060100	Chrome	
8690 0601000	Chrome	C
8690 060500	Chrome	C
8690 0605000	Chrome	

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