



**Part Number:** 8691

Audio/Control/Instrumentation, (6 pr) 18 AWG (16x30)  
TC, PVC/PVC, CMG

## Product Description

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

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
18	16x30	TC - Tinned Copper	6

Total Number of Conductors:	12
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#### Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.013 in

#### Color Chart 1:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown

#### Stranding:

Lay Length	Lay Direction	Twists
2 in	Left Hand	6 twist/ft

#### Innershield:

Material
Unshielded

**Outershield 1:**

Material
Unshielded

**Outerjacket 1:**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.433 in	0.032 in

## Electrical Characteristics

**Conductor DCR:**

Nominal Conductor DCR
5.86 Ohm/1000ft

**Capacitance:**

Nom. Capacitance Conductor to Conductor
25.5 pF/ft

**Current:**

Element	Max. Recommended Current [A]
10C Temperature Rise	3.4 Amps per conductor @ 20°C ambient

**Voltage:**

UL Voltage Rating
300 V RMS

## Use

Suitability - Indoor:	Yes
Max Recommended Pulling Tension:	269 lbs

## Safety

CSA Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading

## Temperature Range

Operating Temp Range:	-20°C To +80°C
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Mechanical Characteristics

Min Bend Radius/Minor Axis:	4.5 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC Articles:	NEC Articles
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Product Variants

Part Number	Color	Put-Up Type	Length
86g1 0601000	CHROME	Reel	1000 ft
86g1 0605000	CHROME	Reel	5000 ft
86g1 060500	CHROME	Reel	500 ft

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