



**Product:** [9740](#) 

Electronic, 2 C #18 Str TC, PVC Ins, PVC Jkt, CMG

 [Request Sample](#)

## Product Description

Electronic, 2 Conductor 18AWG (16x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

## Technical Specifications

### Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
18	16x30	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.013 in

#### Color Chart

Number	Color
1	Black & Red

#### Inner Shield Material

Material
No Shield

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.21 in	0.032 in

### Construction and Dimensions

#### Stranding

Lay Direction	Twists
Left Hand	6 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
6.86 Ohm/1000ft

## Capacitance

### Nom. Capacitance Conductor to Conductor

25.5 pF/ft

## Current

Element	Max. Recommended Current [A]
10C Temperature Rise	4.8 ambient Amps per conductor @ 20°C A

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

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

## Mechanical Characteristics

Bulk Cable Weight:	22 lbs/1000ft
Max Recommended Pulling Tension:	45 lbs
Min Bend Radius/Minor Axis:	2.25 in

## Standards

NEC Articles:	800, 725
NEC/(UL) Specification:	CL3, 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
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
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## Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	89740, 87740, 82740

## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC/EAN
9740 0601000	Chrome			612825257943
9740 060500	Chrome			612825257950
9740 0605000	Chrome			612825257967
9740 060U1000	Chrome			612825257929

9740.00305	Chrome	Reel	305 m	8719605022653
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Footnote:	C - CRATE REEL PUT-UP.
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## History

Update and Revision:	Revision Number: 0.300 Revision Date: 04-28-2020
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