



**Part Number: 9740**

Audio/Control/Instrumentation, (1 pr) 18 AWG (16x30) TC, PVC/PVC, CMG

## Product Description

One 18 AWG pair stranded (16x30) tinned copper conductors, PVC insulation, PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	18 AWG

#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.013 in

#### Color Chart

Number	Color
1	Black & Red

#### Inner Shield Material

Material
Unshielded

#### Outer Shield Material

Material
Unshielded

#### Outer Jacket Material

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

### Construction and Dimensions

#### Stranding

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

#### Cabling

Lay Length
2.0 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
6.86 Ohm/1000ft

## Capacitance

### Nom. Capacitance Conductor to Conductor

25.5 pF/ft

Shielding: Unshielded

## Current

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

## Voltage

### UL Voltage Rating

300V 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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor: Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
UL Voltage Rating:	300 V RMS

## Plenum/Non-Plenum

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

## Part Number

### Variants

Item #	Color	Footnote
9740.00305	CHROME	
9740 0601000	CHROME	C
9740 060500	CHROME	C

9740 0605000	CHROME	
9740 060U1000	CHROME	

Footnote:	C - CRATE REEL PUT-UP.
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