



Product: [9740](#)

Electronic, 1 PR #18 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 1 Pair 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

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	18	16x30	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	PVC - Polyvinyl Chloride	0.013 in

Color Chart

Number	Color
1	Black & Red

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.210 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 Amps per conductor @ 20°C ambient

Voltage

UL Description	UL Voltage Rating
CM	300 V
UL AWM 2464	300 V

Temperature Range

UL Temp Rating:	80°C (UL AWM 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:	CMG, CL3
CEC/C(UL) Specification:	CMG
UL AWM Style:	2464
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, LSOH, Toxicity Testing

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

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

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.303 Revision Date: 05-27-2020
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