



REPRESENTATIVE IMAGE

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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Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	18	16x30	TC - Tinned Copper

Insulation

Element	Material	Thickness	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.013 in (0.33 mm)	Black & Red

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.210 in

Cable Diameter (Nominal):	0.210 in (5.33 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	6.86 Ohm/1000ft (22.5 Ohm/km)	25.5 pF/ft (83.7 pF/m)	4.8 Amps per Conductor at 20°C

Voltage

UL Voltage Rating
300 V (CM), 300 V (UL AWM 2464)

Mechanical Characteristics

Temperature

UL Rating	Operating
80°C (UL AWM 2464)	-20°C to +80°C

Bend Radius

Stationary Min.	Installation Min.
2.1 in (53 mm)	2.1 in (53 mm)

Max. Pull Tension:	45 lbs (20 kg)
Bulk Cable Weight:	21 lbs/1000ft (31 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1685 FT4 Loading, FT4, IEC 60332-1-2
NEC / UL Compliance:	Article 725, Article 800, CMG, CL3
AWM Compliance:	2464
CEC / C(UL) Compliance:	CMG
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	89740, 87740, 82740

History

Update and Revision:	Revision Number: 0.359 Revision Date: 07-02-2021
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