

Product: 9741

Electronic, 12 Pr #18 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 12 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	12	18 AWG	16x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.013 in (0.33 mm)	0.073 in (1.9 mm)	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White, Red & Green, Red & Blue, Red & Yellow, Red & Brown

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
PP - Polypropylene Tape	PVC - Polyvinyl Chloride	0.046 in (1.2 mm)	0.600 in (15.2 mm)

Overall Cable Diameter (Nominal):	0.600 in (15.2 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	7.2 Ohm/1000ft	30 pF/ft (98 pF/m)	2.6 Amps per Conductor at 25ºC

Voltage

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

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C to +80°C

Bend Radius

Stationary Min.	Installation Min.
6.0 in (150 mm)	6.0 in (150 mm)

Max. Pull Tension:	499 lbs (226 kg)
Bulk Cable Weight:	204 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.502 Revision Date: 12-22-2023

Part Numbers

Variants

Item #	Color	UPC	Footnote
9741 0601000	Chrome	612825257998	C

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