



REPRESENTATIVE IMAGE

Product: [9405](#)

Electronic, 2+6 C #18+16 Str TC, PVC Ins, PVC Jkt, CM

[Request Sample](#)

Product Description

Electronic, 2+6 Conductor 18+16AWG (19x30+19x29) Tinned Copper, PVC Insulation, PVC Outer Jacket, CM

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; panel wiring
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	6	18 AWG	19x30	TC - Tinned Copper
Conductor(s)	2	16 AWG	19x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.019 in (0.48 mm)	Brown, Red, Yellow, Blue, Orange, Green
Conductor(s)	PVC - Polyvinyl Chloride	0.019 in (0.48 mm)	Black, White

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.345 in (8.76 mm)

Overall Cable Diameter (Nominal):	0.345 in (8.76 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	6.8 Ohm/1000ft (22 Ohm/km)	4 Amps per Conductor at 25°C
Conductor(s)	4.0 Ohm/1000ft (13 Ohm/km)	4.9 Amps per Conductor at 25°C

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
3.5 in (89 mm)	3.5 in (89 mm)

Max. Pull Tension:	181 lbs (82.1 kg)
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Bulk Cable Weight:	87 lbs/1000ft (130 kg/km)
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Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, UV Resistance
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2464
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.375 Revision Date: 05-05-2023
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Part Numbers

Variants

Item #	Color	UPC
9405 0601000	Chrome	612825240013

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