Product: 8448

Electronic, 8 C #18+22 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 8 Conductor 18+22AWG (16x30+7x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

Technical Specifications

Product Overview

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	18 AWG	19x30	TC - Tinned Copper
Conductor(s)	6	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.018 in (0.46 mm)	0.080 in mm	Black, White
Conductor(s)	PVC - Polyvinyl Chloride	0.011 in (0.28 mm)		Red, Green, Brown, Blue, Yellow, Orange

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.259 in

Overall Cable Diameter (Nominal):	0.259 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	7.0 Ohm/1000ft	14 Amps per Conductor at 25°C (18 AWG)
Conductor(s)	17.8 Ohm/1000ft (58.4 Ohm/km)	4 Amps per Conductor at 25ºC (22 AWG)

Voltage

UL Voltage Rating
300 V (CMG), 150 V (AWM 2576)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.59 in (65.8 mm)	2.59 in

Max. Pull Tension:	96 lbs (44 kg)
Bulk Cable Weight:	47 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Sunlight Resistance
Flammability / Reaction to Fire:	UL 1685 FT4 loading, FT4
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 2576
CEC / C(UL) Compliance:	CMG
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: 0.392 Revision Date: 05-05-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8448 060500	Chrome	Reel	500 ft	612825207597	C
8448 0601000	Chrome	Reel	1,000 ft	612825207580	C
8448 060U1000	Chrome	UnReel	1,000 ft	612825207573	

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