



Product: [8446](#)

Electronic, 4+2 C #22+18 Str TC, PVC Ins, PVC Jkt, CMG

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Product Description

Electronic, 4+2 Conductor 22+18AWG (7x30+19x30) 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 Conductors
Conductor(s)	22	7x30	TC - Tinned Copper	4
Conductor(s)	18	19x30	TC - Tinned Copper	2

Conductor Count:	6
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Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PVC - Polyvinyl Chloride	0.011 in
Conductor(s)	PVC - Polyvinyl Chloride	0.019 in

Color Chart

Number	Color
22	Red
22	Green
22	Brown
22	Blue
18	
18	

Color Chart 2

Color
Black
White

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.236 in	0.032 in

Electrical Characteristics

Conductor DCR

Element	Nominal Conductor DCR
22 AWG	15.5 Ohm/1000ft
18 AWG	6.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	54 pF/ft

Current

Element	Max. Recommended Current [A]
22 AWG	2.5 Amps per conductor @ 25°C
18 AWG	5.6 Amps per conductor @ 25°C

Voltage

UL Description	UL Voltage Rating
UL AWM Style 2576	150 V RMS
CMG	300 V RMS

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2576)
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	39 lbs/1000ft
Max Recommended Pulling Tension:	78 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	UL Style 2576 (150 V 80°C)
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 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

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	150 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8446 060100	Chrome	Reel	100 ft	612825207542
8446 060500	Chrome	Reel	500 ft	612825207566
8446 060U500	Chrome	UnReel	500 ft	612825207535
8446 0601000	Chrome	Reel	1,000 ft	612825207559
8446 060U1000	Chrome	UnReel	1,000 ft	612825207528

Footnote:	C - CRATE REEL PUT-UP.
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History

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