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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





**Part Number: 8446**

Audio/Control/Communication/Instrumentation, (4) 22 AWG (7x30) TC, (2) 18 AWG (19x30) TC, PVC/PVC, CMG

 [Request Sample](#)

## Product Description

Four 22 AWG stranded (7x30) and two 18 AWG stranded (19x30) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	6
18	19x30	TC - Tinned Copper	2

Conductor Count:	6
Conductor Size:	22 AWG

#### Insulation

Element	Material	Nominal Wall Thickness
22	PVC - Polyvinyl Chloride	0.011 in
18	PVC - Polyvinyl Chloride	0.019 in

#### Color Chart

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

#### Outer Shield Material

Material
Unshielded

#### 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 Ground	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	54 pF/ft	54 pF/ft
Shielding:	Unshielded	

#### 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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
UL voltage rating:	150 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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#### Part Number

#### Variants

Item #	Color	Footnote
8446 060100	Chrome	
8446 0601000	Chrome	C
8446 060500	Chrome	C
8446 060U1000	Chrome	
8446 060U500	Chrome	

Footnote:	C - CRATE REEL PUT-UP.
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