



## Part Number: 8446

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

### 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
AWG Size:	22

##### 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

##### Current

Element	Max. Recommended Current [A]
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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	150V 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, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4

#### Part Number

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