



**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.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	4
18	19x30	TC - Tinned Copper	2
<b>Total Number of Conductors:</b>			6

#### Insulation:

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

#### Color Chart 1:

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

#### Outershield 1:

Material
Unshielded

#### Outerjacket 1:

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
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

## Use

Max Recommended Pulling Tension:	78 lbs
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## Safety

CSA Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading

## Temperature Range

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

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.5 in
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## Part Number

Plenum (Y/N):	No
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## Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

## Product Variants

Part Number	Color	Put-Up Type	Length
8446 0601000	CHROME	Reel	1000 ft
8446 060100	CHROME	Reel	100 ft
8446 060500	CHROME	Reel	500 ft
8446 060U1000	CHROME	UnReel	1000 ft
8446 060U500	CHROME	UnReel	500 ft

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