



**Part Number:** 8742

Audio/Control/Instrumentation, (3 pr) 22 AWG Solid  
TC, PVC/PVC, CMG, MPG

## Product Description

Three 22 AWG pairs solid tinned copper conductors, twisted pairs, PVC insulation, PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
22	Solid	TC - Tinned Copper	3
<b>Total Number of Conductors:</b>			6

#### Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.01 in

#### Color Chart 1:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

#### Outershield 1:

Material
Unshielded

### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.242 in	0.032 in

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR
16.5 Ohm/1000ft

### Capacitance:

Nom. Capacitance Conductor to Conductor
30 pF/ft

### Current:

Max. Recommended Current [A]
1.96 Amps per conductor @ 20°C

### Voltage:

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

## Use

Max Recommended Pulling Tension:	46 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
Plenum Number:	82742 (Stranded conductors)

## 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
8742 0601000	CHROME	Reel	1000 ft
8742 0605000	CHROME	Reel	5000 ft

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