



**Part Number:** 8459

Audio/Control/Instrumentation, (25) 22 AWG (7x30) TC,  
PVC/PVC, CMG

## Product Description

Twenty-five 22 AWG stranded (7x30) 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	25
Total Number of Conductors:			25

**Insulation:**

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.011 in

**Color Chart 1:**

Color
Black
White
Red
Green
Orange
Blue
White/Black
Red/Black
Green/Black
Orange/Black
Blue/Black
Black/White
Red/White
Green/White
Blue/White
Black/Red
White/Red
Orange/Red
Blue/Red
Red/Green
Orange/Green
Black/White/Red
White/Black/Red
Red/Black/White
Green/Black/White

Outershield 1:

Material
Unshielded

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.387 in	0.04 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
15.6 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor
34 pF/ft

Current:

Max. Recommended Current [A]
1.5 Amps per conductor @ 25°C

Inductance:

Nominal Inductance
0.17 µH/ft

Voltage:

UL Voltage Rating
300 V RMS (CMG)
150 V RMS (UL AWM Style 2576)

Use

Max Recommended Pulling Tension:	228 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:	4 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
8459 0601000	CHROME	Reel	1000 ft
8459 060100	CHROME	Reel	100 ft
8459 0605000	CHROME	Reel	5000 ft
8459 060500	CHROME	Reel	500 ft

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