



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.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
22	Solid	TC - Tinned Copper	3

Conductor Count:	6
Total Number of Pairs:	3
Conductor Size:	22 AWG

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.01 in

Color Chart

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

Outer Shield Material

Material
Unshielded

Outer Jacket Material

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

Shielding:	Unshielded
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Current

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

Voltage

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

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	30 lbs/1000ft
Max Recommended Pulling Tension:	46 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	UL Style 2576 (150 V 80°C)

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:	300 V RMS CMG

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	82742 (Stranded conductors)

Part Number

Variants

Item #	Color	Footnote
8742 0601000	CHROME	
8742 0605000	CHROME	C

Footnote:	C - CRATE REEL PUT-UP.
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