



Part Number: 9407

300V PLTC, (1 pr) 22 AWG (7x30) TC, PVC/PVC, CMG

Product Description

One 22 AWG pair stranded (7x30) tinned copper conductors, PVC insulation, PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1
Total Number of Triads:	N/A
AWG Size:	22

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.062 in	0.017 in

Color Chart

Number	Color
1	Black & Red

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.198 in	0.037 in	Yes

Construction and Dimensions

Stranding

Lay Length	Twists
2 in	6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
15 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
26 pF/ft

Inductance

Nominal Inductance
0.21 μ H/ft

Impedance

Nominal Characteristic Impedance

90 Ohm

Current

Max. Recommended Current [A]

5.8 Amps per conductor @ 25°C

Voltage

UL Voltage Rating

300V RMS

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-30°C To +105°C

Mechanical Characteristics

Bulk Cable Weight:	16.7 lbs/1000ft
Max Recommended Pulling Tension:	19 lbs
Min Bend Radius/Minor Axis:	2 in

Standards

NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Specification:	CMG
UL AWM Style:	2464

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 2015/863/EU:	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

Suitability

Suitability - Burial:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 UL Loading
IEEE Flammability:	1202

Part Number

Plenum (Y/N):	No
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Variants

Item #	Color	Footnote
9407 0602500	CHROME	Z
9407 060U1000	CHROME	
9407 060U500	CHROME	

Footnote: Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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