



**Part Number: 9408**

300V PLTC, (1 pr) 20 AWG (19x32) TC, PVC/PVC, CMG

## Product Description

One 20 AWG pair stranded (19x32) tinned copper conductors, PVC insulation, PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
20	19x32	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1
Total Number of Triads:	N/A
AWG Size:	20

#### Insulation

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.072 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	0.218 in	0.037 in	Yes

### Construction and Dimensions

#### Cabling

Lay Direction
Left-hand Lay

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
9.5 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
30 pF/ft	55 pF/ft

#### Inductance

Nominal Inductance
0.19 $\mu$ H/ft

## Current

### Max. Recommended Current [A]

7.6 Amps per conductor @ 25°C

## Voltage

### UL Voltage Rating

300V RMS

150V RMS (ITC)

## Temperature Range

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

## Mechanical Characteristics

Bulk Cable Weight:	23 lbs/1000ft
Max Recommended Pulling Tension:	31 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:	2462

## 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 FT4 Loading
IEEE Flammability:	1202

## Part Number

Plenum (Y/N):	No
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## Variants

Item #	Color	Footnote
9408 0602500	CHROME	Z
9408 0605000	CHROME	C Z
9408 060U1000	CHROME	
9408 060U500	CHROME	

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

Footnote: C - CRATE REEL PUT-UP.

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