



Part Number: 9494

300V PLTC, (1 triad) 16 AWG (19x29) TC, PVC/PVC, CMG

Product Description

One 16 AWG triad stranded (19x29) tinned copper conductors, PVC insulation, PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Triads
Triad	16	19x29	TC - Tinned Copper	1

Conductor Count:	3
Total Number of Pairs:	N/A
Total Number of Triads:	1
AWG Size:	16

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	.017 in

Color Chart

Color
Black & Red & White

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.274 in	0.037 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
3.7 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
29 pF/ft

Inductance

Nominal Inductance
0.14 μ H/ft

Current

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

Voltage

Description	UL Voltage Rating	Voltage Rating [V]
Nom. breakdown voltage between conductors	300V RMS	20,000 V (Nom. breakdown voltage between conductors)

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	48.5 lbs/1000ft
Max Recommended Pulling Tension:	105 lbs
Min Bend Radius/Minor Axis:	2.75 in

Standards

NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Specification:	CMG
UL AWM Style:	UL Style 2464 (300 V 105°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 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:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4

Part Number

Plenum (Y/N):	No
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Variants

Item #	Color	Footnote
9494 0602500	CHROME	Z
9494 060U1000	CHROME	
9494 060U500	CHROME	

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

Product Notes

Notes:	Alternate color coding available upon request.
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