



Part Number: 9412

300V PLTC, (1 pr) 12 AWG (65x30) TC, PVC/PVC, CMG

Product Description

One 12 AWG pair stranded (65x30) tinned copper conductors, PVC insulation, PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
12	65x30	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1
Total Number of Triads:	N/A
AWG Size:	12

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.143 in	0.025 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	0.37 in	0.042 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
1.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
25 pF/ft

Inductance

Nominal Inductance
0.18 μ H/ft

Current

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

Voltage

Description	UL Voltage Rating	Voltage Rating [V]
Nominal breakdown voltage between conductors	300V RMS	25 K V RMS (Nominal breakdown voltage between conductors)

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	76 lbs/1000ft
Max Recommended Pulling Tension:	197 lbs
Min Bend Radius/Minor Axis:	3.75 in

Standards

NEC/(UL) Specification:	CL3R, ITC-ER, PLTC-ER
UL AWM Style:	2464
IEEE Specification:	1202

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 - Sunlight Resistance:	Yes
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Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 UL Loading
ICEA Flammability:	T-29-520

Part Number

Plenum (Y/N):	No
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Variants

Item #	Color	Footnote
9412 0601000	CHROME	C
9412 0602500	CHROME	Z
9412 060500	CHROME	C

Footnote:	C - CRATE REEL PUT-UP.
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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