



Product: [9494](#) 

High Perform Instr, 1 Tri #16 Str TC, PVC Ins E1, PVC Jkt, PLTC

 [Request Sample](#)

Product Description

High Performance Instrumentation, 1 Triad 16AWG (19x29) Tinned Copper, PVC Insulation E1 Color Code, PVC Outer Jacket, PLTC

Technical Specifications

Product Overview

Suitable Applications:	Instrumentation, Sensors, Valves, Positioners, RTD, 4-20mA, 0-10V
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Triad(s)	1	16 AWG	19x29	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Triad(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.097 in (2.5 mm)	ICEA Chart E1

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.293 in (7.44 mm)	Yes

Overall Cable Diameter (Nominal):	0.293 in (7.44 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
Triad(s)	4.5 Ohm/1000ft	29 pF/ft (95 pF/m)	0.14 µH/ft (0.46 µH/m)	6.2 Amps per conductor at 25°C

Voltage

UL Voltage Rating
300 V (PLTC, CMG)

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-30°C to +105°C

Temperature Table Notes:	AWM 80°C
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Bend Radius

Stationary Min.	Installation Min.
2.8 in (71 mm)	2.8 in (71 mm)

Max. Pull Tension:	120 lbs (54 kg)
Bulk Cable Weight:	51 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL 1685 UL Loading, FT4, T-29-520, IEEE 1202
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC, PLTC
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Alternate color coding available upon request.
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History

Update and Revision:	Revision Number: 0.603 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
9494 0602500	Chrome	612825253983	Z
9494 060U1000	Chrome	612825253969	
9494 060U500	Chrome	612825253976	

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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