



Product: [1034A](#)

Inst, 1 Tri #16 Str BC, PVC Ins E1, Blk PVC Jkt, 300V PLTC ITC CMG

Request Sample

Product Description

UL Instrumentation, 1 Triad 16AWG (7x24) Bare Copper, PVC Insulation E1 Color Code, Black PVC Outer Jacket, PLTC ITC CMG AWM 2464 SUN RES

Technical Specifications

Product Overview

Suitable Applications:	Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...), low voltage digital control (24v, ...), Thermocouple, distributed control system (DCS), programmable logic controller (PLC)
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	16 AWG	7x24	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.091 in (2.3 mm)	Black, Red, White

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.270 in	Yes

Overall Cable Diameter (Nominal):	0.270 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
4.2 Ohm/1000ft	19 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
UL: 105°C, AWM 2464: 80°C	-20°C to +105°C

Bend Radius

Stationary Min.	Installation Min.
2.7 in (69 mm)	2.7 in

Max. Pull Tension:	107 lbs (48.5 kg)
Bulk Cable Weight:	48 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4, IEEE 1202 FT4
NEC / UL Compliance:	Article 725, Article 727, Article 800
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: 0.404 Revision Date: 01-10-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1034A 0101000	Black	Reel	1,000 ft	612825105077	C
1034A 0104000	Black	Reel	4,000 ft	612825105084	C Z

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