



Product: [9486](#)

High Perform Instr, 1 Pr #18 Str TC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC

Request Sample

Product Description

High Performance Instrumentation, 1 Pair 18AWG (19x32) Tinned Copper, PVC-NYL Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC

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, ...), encoders, control circuits, distributed control
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	18	19x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC/Nylon - Polyvinyl Chloride + Nylon	0.016 in (0.41 mm)	0.088 in (2.2 mm)	Black & Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	0.275 in (6.99 mm)	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
7.29 Ohm/1000ft	15 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
600 V (TC), 150 V (NPLF)

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C Dry, 90°C Wet	Wet/Dry: -30°C to 90°C

Bend Radius

Stationary Min.	Installation Min.
1.08 in (27.4 mm)	1.35 in (34.3 mm)

Max. Pull Tension:	50 lbs (23 kg)
Bulk Cable Weight:	40 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
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Flammability / Reaction to Fire:	UL 1685 UL loading, IEEE 1202 FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 336, Article 760, NPLF, TC
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)
UK Regulation Compliance:	UKCA Mark
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: 0.586 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
9486 0101000	Black	612825253778	C

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