



Product: [9489](#) 

High Perform Instr, 1 Pr #12 Str TC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC

 [Request Sample](#)

Product Description

High Performance Instrumentation, 1 Pair 12AWG (37x27) 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
Conductor(s)	2	12 AWG	37x27	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC/Nylon - Polyvinyl Chloride + Nylon	0.022 in (0.56 mm)	0.145 in (3.68 mm)	Black, Red

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.045 in (1.1 mm)	0.38 in	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
1.65 Ohm/1000ft	24.4 pF/ft (80.1 pF/m)	0.19 µH/ft (0.62 µH/m)	31 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.
1.52 in (38.6 mm)	1.9 in

Max. Pull Tension:	166.4 lbs (75.48 kg)
Bulk Cable Weight:	84 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 UL loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, Article 760
CEC / C(UL) Compliance:	.
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: 0.432 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
9489 0101000	Black	612825253839	C

Footnote:	C - CRATE REEL PUT-UP.
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