



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 |
|------------------------|--|

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 | Nom. Inductance | Max. Current |
|--------------------|----------------------------------|-------------------------------|
| 7.29 Ohm/1000ft | 0.23 μ H/ft (0.75 μ H/m) | 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 |
|----------------------------|--|

| | |
|----------------------------------|---|
| 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

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| Notes: | Alternate color coding available upon request. |
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History

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| Update and Revision: | Revision Number: 0.587 Revision Date: 09-07-2025 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|--------------|-------|--------------|----------|
| 9486 0101000 | Black | 612825253778 | C |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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