



**Product:** [9487](#)

High Perform Instr, 1 Pr #16 Str TC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC

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**Product Description**

High Performance Instrumentation, 1 Pair 16AWG (19x29) 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 system (DCS), programmable logic controller (PLC), Solenoids, Valves, Actuators, Positioners
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**Construction Details**

**Conductor**

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	16 AWG	19x29	TC - Tinned Copper

**Insulation**

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.016 in (0.41 mm)	0.101 in (2.57 mm)	Black, Red

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	0.295 in (7.49 mm)	Yes

Overall Cable Diameter (Nominal):	0.295 in (7.49 mm)
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**Electrical Characteristics**

**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	4.27 Ohm/1000ft (14.0 Ohm/km)	26 pF/ft (85 pF/m)	8 Amps per conductor @ 25°C

**Voltage**

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

**Mechanical Characteristics**

**Temperature**

UL Temperature	Operating
90°C Dry, 90°C Wet	-30C to 90C Dry, 75C wet

**Bend Radius**

Stationary Min.	Installation Min.
1.2 in (30 mm)	1.2 in (30 mm)

Max. Pull Tension:	70 lbs (32 kg)
Bulk Cable Weight:	51 lbs/1000ft

**Standards and Compliance**

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL1685 (FT4 Loading), IEEE 1202, FT4
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	ICEA S-73-532, S-61-402

## History

Update and Revision:	Revision Number: 0.376 Revision Date: 04-08-2022
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## Part Numbers

### Variants

Item #	Color	UPC
9487 0101000	Black	612825253785
9487 010500	Black	612825253792
9487 0105000	Black	612825253808

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