



Product: [9563](#) 

High Perform Instr, 11 Pr #18 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC

 [Request Sample](#)

Product Description

High Performance Instrumentation, 11 Pair 18AWG (19x30) Tinned Copper, PVC Insulation E2 Color Code, Overall Beldfoil® Shield, PVC Outer Jacket, PLTC

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)	11	18 AWG	19x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.078 in (2.0 mm)	Black, Red and Numbered

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (7x26) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.682 in	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
7.19 Ohm/1000ft	35 pF/ft (110 pF/m)	54 pF/ft (180 pF/m)	0.17 µH/ft (0.56 µH/m)	7 Amps per Conductor at 25°C

Nom Outer Shield DCR: 0.81 Ohm/1000ft (2.7 Ohm/km)

Voltage

UL Voltage Rating
300 V (PLTC)

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-30°C To +105°C

Max. Pull Tension: 565.8 lbs (256.6 kg)

Bulk Cable Weight: 250 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 FT4 loading, FT4, T-29-520, 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)

History

Update and Revision:	Revision Number: 0.421 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
9563 0601000	Chrome	612825255987	C
9563 060500	Chrome	612825255994	C
Footnote:		C - CRATE REEL PUT-UP.	

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