



Product: [9556](#) 

High Perform Instr, 6 Pr #18 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC

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Product Description

High Performance Instrumentation, 6 Pair 18AWG (19x30) Tinned Copper, PVC Insulation E2 Color Code, Overall Beldfoil® Shield, PVC Outer Jacket, PLTC

Technical Specifications

Product Overview

Suitable Applications:	Instrumentation, Sensors, Valves, Positioners, 4-20mA, 0-10V
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	6	18 AWG	19x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.019 in (0.48 mm)	0.081 in (2.1 mm)	ICEA Chart E2

Outer Shield

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

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter	Ripcord
PP - Polypropylene Tape	PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	0.512 in (13.0 mm)	Yes

Overall Cable Diameter (Nominal): 0.512 in (13.0 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield	Nom. Inductance	Max. Current
Pair(s)	7.2 Ohm/1000ft	35 pF/ft (110 pF/m)	54 pF/ft (180 pF/m)	0.17 µH/ft (0.56 µH/m)	3.5 Amps per Conductor at 25°C

Nom Outer Shield DCR: 4.98 Ohm/1000ft (16.3 Ohm/km)

Voltage

UL Voltage Rating
300 V (PLTC, CMG)

Mechanical Characteristics

Temperature

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

Temperature Table Notes: AWM 80°C

Bend Radius

Stationary Min.	Installation Min.
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5.1 in (130 mm)	5.1 in (130 mm)
Max. Pull Tension:	319 lbs (145 kg)
Bulk Cable Weight:	145 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 UL Loading, FT4, T-29-520, IEEE 1202
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC, PLTC
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.618 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
9556 0601000	Chrome	612825255895	C
9556 060500	Chrome	612825255901	C
9556 0605000	Chrome	612825255918	C Z

Footnote:	C - CRATE REEL PUT-UP., Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.
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