



Product: [9553](#) 

High Perform Instr, 3 Pr #18 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC

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Product Description

High Performance Instrumentation, 3 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)	3	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)	0.082 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)	0.443 in (11.3 mm)	Yes

Overall Cable Diameter (Nominal):	0.443 in (11.3 mm)
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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@Cond DCR1-cnvr:	5.11 Ohm/1000ft (16.8 Ohm/km)
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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
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Bend Radius

Stationary Min.	Installation Min.

4.3 in (110 mm) 4.3 in (110 mm)

Max. Pull Tension: 171 lbs (77.6 kg)

Bulk Cable Weight: 92 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: 0.608 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC	Footnote
9553 0601000	Chrome	612825255802	C
9553 060500	Chrome	612825255819	C
9553 0605000	Chrome	612825255826	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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