



Product: [9516](#) 

High Perform Instr, 6 Pr #22 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC

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Product Description

High Performance Instrumentation, 6 Pair 22AWG (7x30) 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	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.062 in (1.6 mm)	Black, Red and Numbered

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	0.418 in (10.6 mm)	Yes

Overall Cable Diameter (Nominal): 0.418 in (10.6 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Pair(s)	18.2 Ohm/1000ft	26 pF/ft (85 pF/m)	45 pF/ft (150 pF/m)	0.21 μH/ft (0.69 μH/m)	3.4 Amps per Conductor at 25°C

Nom Outer Shield DCR: 10.8 Ohm/1000ft (35.4 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.

4.2 in (110 mm)	4.2 in (110 mm)
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Max. Pull Tension:	118 lbs (53.5 kg)
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Bulk Cable Weight:	81 lbs/1000ft
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Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
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Flammability / Reaction to Fire:	UL 1685 UL Loading, FT4, T-29-520, IEEE 1202
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NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC, PLTC
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AWM Compliance:	AWM 2464
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CEC / C(UL) Compliance:	CMG
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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)
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APAC Compliance:	China RoHS II (GB/T 26572-2011)
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History

Update and Revision:	Revision Number: 0.608 Revision Date: 04-10-2026
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Part Numbers

Variants

Item #	Color	UPC	Footnote
9516 0601000	Chrome	612825254829	C
9516 060500	Chrome	612825254836	C
9516 0605000	Chrome	612825254843	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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