



**Product:** [9524](#)

High Perform Instr, 15 Pr #22 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC

[Request Sample](#)

## Product Description

High Performance Instrumentation, 15 Pair 22AWG (7x30) 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)	15	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

#### Inner Shield

<b>Material</b>
No Shield

#### 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)	0.593 in	Yes

Overall Cable Diameter (Nominal):	0.593 in
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### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
18.61 Ohm/1000ft	26 pF/ft (85 pF/m)	45 pF/ft (150 pF/m)	2.4 Amps per Conductor at 25°C

#### Voltage

<b>UL Voltage Rating</b>
300 V (AWM 2464)

### Mechanical Characteristics

#### Temperature

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

## Bend Radius

Stationary Min.	Installation Min.
5.93 in (151 mm)	5.93 in

Max. Pull Tension:	280 lbs (130 kg)
Bulk Cable Weight:	162 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1685 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: 0.420 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
9524 0601000	Chrome	612825254928	C
9524 060500	Chrome	612825254935	C

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