Product: 9521 ☒

High Perform Instr, 11 Pr #22 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC

⛊ Request Sample

Product Description

High Performance Instrumentation, 11 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	11	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

Material
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)	0.506 in	Yes

Overall Cable Diameter (Nominal):	0.506 in

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 25ºC

Voltage

UL Voltage Rating
300 V (AWM 2464)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
5.06 in (129 mm)	5.06 in

Max. Pull Tension:	209 lbs (94.8 kg)
Bulk Cable Weight:	125lbs/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: 0.415 Revision Date: 01-10-2024

Part Numbers

Variants

Item #	Color	UPC	Footnote
9521 0601000	Chrome	612825254904	C
9521 060500	Chrome	612825254911	C

Mouser Electronics

Authorized Distributor

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