BELDEN

Product: 9514 ⬀

High Perform Instr, 4 Pr #22 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC

⁇ Request Sample

Product Description

High Performance Instrumentation, 4 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	4	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)	ICEA Chart E2

Outer Shield

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

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter	Ripcord
Cotton Serve	PVC - Polyvinyl Chloride	0.042 in (1.1 mm)	0.356 in (9.04 mm)	Yes

Overall Cable Diameter (Nominal):	0.356 in (9.04 mm)

Electrical Characteristics

Electricals

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

Voltage

UL Voltage Rating
300 V (PLTC, CMG)

Mechanical Characteristics

Temperature

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

Table Notes:	AWM 80°C

Bend Radius

Stationary Min.	Installation Min.
3.6 in (91 mm)	3.6 in (91 mm)

Max. Pull Tension:	82 lbs (37 kg)
Bulk Cable Weight:	60 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL 1685 UL Loading, FT4, T-29-520, IEEE 1202
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.608 Revision Date: 01-04-2024

Part Numbers

Variants

Item #	Color	UPC	Footnote
9514 0601000	Chrome	612825254751	C
9514 0602500	Chrome	612825254768	Z
9514 060500	Chrome	612825254775	C
9514 0605000	Chrome	612825254782	C Z

Mouser Electronics

Authorized Distributor

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[9514 0601000](#) [9514 0602500](#)