BELDEN



Product: 9368

High Perform Instr, 2 Pr #18 Str TC, PVC Ins E2, IS, PVC Jkt, PLTC

Request Sample

Product Description

High Performance Instrumentation, 2 Pair 18AWG (19x30) Tinned Copper, PVC Insulation E2 Color Code, Individual 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)	2	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

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (19x32) TC	each pair

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter	Ripcord
PP - Polypropylene Tape	PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	0.432 in (11.0 mm)	Yes

Overall Cable Diameter (Nominal):	0.432 in (11.0 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield	Max. Current
Pair(s)	7.2 Ohm/1000ft	8.18 Ohm/1000ft (26.8 Ohm/km)	57 pF/ft (190 pF/m)	102 pF/ft (335 pF/m)	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.

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

Max. Pull Tension:	114 lbs (51.7 kg)
Bulk Cable Weight:	78 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
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: 0.640 Revision Date: 01-04-2024

Part Numbers

Variants

Item #	Color	UPC	Footnote
9368 0601000	Chrome	612825239598	C
9368 060500	Chrome	612825239611	C
9368 0605000	Chrome	612825239628	Z

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