Product: 9412 ⧉

High Perform Instr, 1 Pr #12 Str TC, PVC Ins E2, PVC Jkt, PLTC-ER

⠿ Request Sample

Product Description

High Performance Instrumentation, 1 Pair 12AWG (65x30) Tinned Copper, PVC Insulation E2 Color Code, PVC Outer Jacket, PLTC-ER

Technical Specifications

Product Overview

Suitable Applications:	Instrumentation, Sensors, Valves, Positioners, 4-20mA, 0-10V

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	12 AWG	65x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.143 in (3.63 mm)	Black, Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.042 in (1.1 mm)	0.370 in (9.40 mm)	Yes

Overall Cable Diameter (Nominal):	0.370 in (9.40 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	1.8 Ohm/1000ft (5.9 Ohm/km)	25 pF/ft (82 pF/m)	17 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V (PLTC), 150 V (ITC)

Mechanical Characteristics

Temperature

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

Table Notes:	AWM 80°C

Bend Radius

Stationary Min.	Installation Min.
3.7 in (94 mm)	3.7 in (94 mm)

Max. Pull Tension:	169 lbs
Bulk Cable Weight:	77 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1685 UL Loading, FT4, T-29-520, 1202
NEC / UL Compliance:	Article 725, Article 727, CL3R, ITC-ER, PLTC-ER
AWM Compliance:	2464
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: 0.379 Revision Date: 12-15-2021

Variants

Item #	Color	UPC
9412 0601000	Chrome	612825240297
9412 0602500	Chrome	612825240303
9412 060500	Chrome	612825240310

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