Product: 9582 ☒

Electronic, 2 C #12 Sol BC, PVC Ins, Red PVC Jkt, FPLR

🎁 Request Sample

Product Description

Electronic, 2 Conductor 12AWG (Solid) Bare Copper, PVC Insulation, Red PVC Outer Jacket, FPLR

Technical Specifications

Product Overview

Suitable Applications:	fire alarms; indoor applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, …)

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	2	12 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.023 in (0.58 mm)	0.127 in (3.23 mm)	Black, Red

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.042 in (1.1 mm)	0.34 in

Overall Cable Diameter (Nominal):	0.340 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	1.6 Ohm/1000ft	30 pF/ft (98 pF/m)	21 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-20°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
2.72 in (69.1 mm)	2.72 in

Max. Pull Tension:	158 lbs (71.7 kg)
Bulk Cable Weight:	70 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1666 Riser, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 760, FPLR
CEC / C(UL) Compliance:	FAS105
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	California State Fire Marshall

Product Notes

Notes:	This cable passes the UL 70, 000 BTU Flame Test (comparable to the IEEE 383 Flame Test) and are listed by the California State Fire Marshall. Component Recognized UL 2464, 300V 80C.

History

Update and Revision:	Revision Number: 0.386 Revision Date: 05-05-2023

Part Numbers

Variants

Item #	Color	UPC
9582 0021000	Red	612825256243