BELDEN
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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, …)

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
12	Solid	BC - Bare Copper	2

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.023 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.34 in	0.042 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
1.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
30 pF/ft

Inductance

Nominal Inductance
0.188 µH/ft

Current

Max. Recommended Current [A]
21 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-40°C To +105°C

Mechanical Characteristics

Bulk Cable Weight:	70 lbs/1000ft
Max. Pull Tension:	197 lbs
Min Bend Radius/Minor Axis:	3.5 in

Standards

NEC Articles:	Article 760
NEC/(UL) Compliance:	FPLR
CEC/C(UL) Compliance:	FAS105
UL AWM Style Compliance:	UL Style 2464 (300 V 80°C)
CPR Euroclass:	Eca
Other Compliance:	California State Fire Marshall

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Riser
CSA Flammability:	FT4
IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	UPC
9582 0021000	Red	612825256243

Footnote:	C - CRATE REEL PUT-UP.

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 80°C.

History

Update and Revision:	Revision Number: 0.295 Revision Date: 06-08-2020

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Тел: +7 (812) 336 43 04 (многоканальный)
Email: org@lifeelectronics.ru

www.lifeelectronics.ru