



**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, ...)
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**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 25°C

## 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, LSOH, 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
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## 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.
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## History

Update and Revision:	Revision Number: 0.298 Revision Date: 02-16-2021
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