



Product: [9583](#) 

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

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Product Description

Electronic, 2 Conductor 12AWG (Solid) Bare Copper, PVC Insulation, Overall Beldfoil® Shield, 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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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	12 AWG	Solid	BC - Bare Copper

Insulation

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

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	16 AWG (19x29) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.042 in (1.1 mm)	0.343 in

Overall Cable Diameter (Nominal):	0.343 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Pair(s)	1.6 Ohm/1000ft	86 pF/ft (280 pF/m)	160 pF/ft (520 pF/m)	0.18 µH/ft (0.59 µH/m)	21 Amps per Conductor at 25°C

Nom Outer Shield DCR:	3.5 Ohm/1000ft (11 Ohm/km)
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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.
5.14 in (131 mm)	5.14 in

Max. Pull Tension:	197 lbs (89.4 kg)
Bulk Cable Weight:	80 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1666 Riser, FT4
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)
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.
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History

Update and Revision:	Revision Number: 0.581 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
9583 0021000	Red	612825256250	C

Footnote:	C - CRATE REEL PUT-UP.
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