



Product: [9581](#)

Electronic, 2 C #14 Sol BC, PVC Ins, OS, Red PVC Jkt, FPLR

[Request Sample](#)

Product Description

Electronic, 2 Conductor 14AWG (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, ...)

Physical Characteristics (Overall)

Conductor

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

Conductor Count: 2

Total Number of Pairs: 1

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.022 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	16	Stranded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.306 in	0.042 in

Construction and Dimensions

Cabling

Lay Direction	Twists
Left Hand	6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
2.5 Ohm/1000ft	3.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
---	---

55 pF/ft	105 pF/ft
----------	-----------

Inductance

Nominal Inductance
0.18 µH/ft

Current

Max. Recommended Current [A]
18 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:	58 lbs/1000ft
Max. Pull Tension:	124 lbs
Min Bend Radius/Minor Axis:	3.25 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

Suitability

Suitability - Indoor:	Yes
-----------------------	-----

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL 1666 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
9581 0021000	Red	612825256236
9581 002U500	Red	612825256229

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

Product Notes

Notes:	This cable passes the UL 1685 70,000 BTU Flame Test (comparable to the IEEE 383 Flame Test) and is listed by the California State Fire Marshall. Component Recognized UL 2464, 300V 80°C.
--------	---

History

Update and Revision:	Revision Number: 0.338 Revision Date: 09-17-2020
----------------------	--

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[9581 0021000](#) [9581 002U500](#)