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, …)

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	14	Solid	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC - Polyvinyl Chloride	0.022 in (0.56 mm)	0.20 in (5.1 mm)	Black, 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)	0.306 in (7.77 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
2.62 Ohm/1000ft	55 pF/ft (180 pF/m)	105 pF/ft (344 pF/m)	18 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-40°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
4.59 in (117 mm)	4.59 in (117 mm)

Max. Pull Tension:	124 lbs (56.2 kg)
Bulk Cable Weight:	60 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Flammability / Reaction to Fire:	UL1666 Riser, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 760, FPLR
AWM Compliance:	AWM 2464
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 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: 0.514 Revision Date: 02-15-2024

Part Numbers

Variants

Item #	Color	UPC	Footnote
9581 0021000	Red	612825256236	C
9581 002U500	Red	612825256229	