Belden



Product: 9578

Electronic, 4 C #18 Sol BC, PVC Ins, OS, Red PVC Jkt, FPLR

Request Sample

Product Description

Electronic, 4 Conductor 18AWG (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)	4	18 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.077 in (2.0 mm)	Black, Red, Yellow, Blue

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.263 in

Overall Cable Diameter (Nominal):	0.263 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Conductor(s)	6.4 Ohm/1000ft	43 pF/ft (140 pF/m)	79.2 pF/ft (260 pF/m)	0.169 µH/ft (0.554 µH/m)	6.4 Amps per Conductor at 25ºC

Nom Outer Shield DCR:	10.3 Ohm/1000ft (33.8 Ohm/km)

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.
2.63 in (66.8 mm)	2.63 in

Max. Pull Tension:	87.5 lbs (39.7 kg)
Bulk Cable Weight:	48 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1666 Riser, FT4
NEC / UL Compliance:	Article 760, Article 800, CMR, FPLR
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG, 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

History

Update and Revision:	Revision Number: 0.402 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC	Footnote
9578 0021000	Red	612825256199	C

Footnote:	C - CRATE REEL PUT-UP.

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