



Product: [19509](#)

Portable Cordage, 3 C #18 Str BC, PVC Ins, PVC Jkt, UL Type SJTOW

[Request Sample](#)

Product Description

Portable Cordage, 3 Conductor 18AWG (42x34) Bare Copper, PVC Insulation, PVC Outer Jacket, UL Type SJTOW

Technical Specifications

Product Overview

Suitable Applications:	Portable cordage for supplying power to appliances and tools
------------------------	--

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material	Notes
Conductor(s)	3	18 AWG	42x34	BC - Bare Copper	0.824mm ²

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.110 in (2.79 mm)	Light Blue, Brown, Green/Yellow

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Paper Tape	PVC - Polyvinyl Chloride	0.038 in (0.97 mm)	0.315 in (8.00 mm)

Overall Cable Diameter (Nominal):	0.315 in (8.00 mm)
-----------------------------------	--------------------

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	6.97 Ohm/1000ft	7 Amps per conductor @ 30°C

Voltage

UL Voltage Rating
300 V (Type SJTOW)

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-20°C to +105°C

Bend Radius

Stationary Min.	Installation Min.
3.2 in (81 mm)	3.2 in (81 mm)

Max. Pull Tension:	61.5 lbs (27.9 kg)
Bulk Cable Weight:	50 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor, Oil Resistance
Flammability / Reaction to Fire:	VW-1
NEC / UL Compliance:	SJTOW
AWM Compliance:	SJTOW
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)

Product Notes

Notes:	Approved as water resistant, oil resistant and outdoor use.
--------	---

History

Update and Revision:	Revision Number: 0.527 Revision Date: 05-11-2023
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
19509 B59250	Black, Matte	Reel	250 ft	612825127178	C

© 2024 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:](#)

[19509 B59250](#)