

18AWG SJOOW Portable Cord - 300 Volt

18AWG SJOOW Portable Cord Specifications			
Conductor Gauge	18AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	16/30 bare copper, Class K stranding ASTM B 174		2 conductor - Black, White
Voltage Rating	300V		3 conductor - Black, White, Green
Outer Jacket Material	CPE (chlorinated polyethylene elastomers) thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black with white print	Temperature Rating	75°C (167°F) Wet, 90°C (194°F) Dry
Outer Jacket Thickness	0.030" [0.76 mm] Nominal	Applicable Standards	UL 62, FT2
Overall Diameter	See table below		CSA 22.2 No. 49
Cold Bend	-40°C (-40°F) per UL 1277		NEC (NFPA 70) Article 400
Min. Bend Radius	4x diameter		NEC (NFPA 70) 501.140 Class 1 Div 2
Operating Temperature	-40°C to 90°C (-40°F to 194°F)		MSHA
Conductor Insulation	EPDM (ethylene propylene diene monomer) thermoset rubber	Approvals*	UL (E46194), CSA (90458)
Conductor Nominal Insulation Thickness	0.030" [0.76 mm]		
* Obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at			

18AWG SJOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
SJOOW-18-2BK20	18/2	0.285 [7.24]	10	20	1.0	
SJOOW-18-2BK50				50	2.3	
SJOOW-18-2BK100				100	4.6	
SJOOW-18-2BK250				250	11.5	
SJOOW-18-2BK500				500	23.0	
SJOOW-18-2BK1000				1000	46.0	
SJOOW-18-3BK20	18/3	0.310 [7.87]	10	20	1.2	
SJOOW-18-3BK50				50	3.0	
SJOOW-18-3BK100				100	6.0	
SJOOW-18-3BK250				250	15.0	
SJOOW-18-3BK500				500	30.0	
SJOOW-18-3BK1000				1000	60.0	
SJOOW-18-4BK20	18/4	0.330 [8.38]	7	20	1.5	
SJOOW-18-4BK50				50	3.7	
SJOOW-18-4BK100				100	7.3	
SJOOW-18-4BK250				250	18.3	
SJOOW-18-4BK500				500	36.5	
SJOOW-18-4BK1000				1000	73.0	
* Per NFPA 70 NEC Table 400.5 (A)(1)						

Please Note: Our prices on flexible cord are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

16AWG SJOOW Portable Cord - 300 Volt

16AWG SJOOW Portable Cord Specifications			
Conductor Gauge	16AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	26/30 bare copper, Class K stranding ASTM B 174		2 conductor - Black, White
Voltage Rating	300V		3 conductor - Black, White, Green
Outer Jacket Material	CPE (chlorinated polyethylene elastomers) thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black with white print	Temperature Rating	75°C (167°F) Wet, 90°C (194°F) Dry
Outer Jacket Thickness	0.030" [0.76 mm] Nominal	Applicable Standards	UL 62, FT2
Overall Diameter	See table below		CSA 22.2 No. 49
Cold Bend	-40°C (-40°F) per UL 1277		NEC (NFPA 70) Article 400
Min. Bend Radius	4x diameter		NEC (NFPA 70) 501.140 Class 1 Div 2
Operating Temperature	-40°C to 90°C (-40°F to 194°F)		MSHA
Conductor Insulation	EPDM (ethylene propylene diene monomer) thermoset rubber	Approvals*	UL (E46194), CSA (90458)
Conductor Nominal Insulation Thickness	0.030" [0.76 mm]		

* Obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at

16AWG SJOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
SJOOW-16-2BK20	16/2	0.310 [7.87]	13	20	1.1	
SJOOW-16-2BK50				50	2.8	
SJOOW-16-2BK100				100	5.5	
SJOOW-16-2BK250				250	13.8	
SJOOW-16-2BK500				500	27.5	
SJOOW-16-2BK1000				1000	55.0	
SJOOW-16-3BK20	16/3	0.330 [8.38]	13	20	1.5	
SJOOW-16-3BK50				50	3.7	
SJOOW-16-3BK100				100	7.4	
SJOOW-16-3BK250				250	18.5	
SJOOW-16-3BK500				500	37.0	
SJOOW-16-3BK1000				1000	74.0	
SJOOW-16-4BK20	16/4	0.357 [9.07]	10	20	1.7	
SJOOW-16-4BK50				50	4.3	
SJOOW-16-4BK100				100	8.5	
SJOOW-16-4BK250				250	21.3	
SJOOW-16-4BK500				500	42.5	
SJOOW-16-4BK1000				1000	85.0	

* Per NFPA 70 NEC Table 400.5 (A)(1)

Please Note: Our prices on flexible cord are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

14AWG SJOOW Portable Cord - 300 Volt

14AWG SJOOW Portable Cord Specifications			
Conductor Gauge	14AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	41/30 bare copper, Class K stranding ASTM B 174		2 conductor - Black, White
Voltage Rating	300V		3 conductor - Black, White, Green
Outer Jacket Material	CPE (chlorinated polyethylene elastomers) thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black with white print	Temperature Rating	75°C (167°F) Wet, 90°C (194°F) Dry
Outer Jacket Thickness	0.030" [0.76 mm] Nominal	Applicable Standards	UL 62, FT2
Overall Diameter	See table below		CSA 22.2 No. 49
Cold Bend	-40°C (-40°F) per UL 1277		NEC (NFPA 70) Article 400
Min. Bend Radius	4x diameter		NEC (NFPA 70) 501.140 Class 1 Div 2
Operating Temperature	-40°C to 90°C (-40°F to 194°F)		MSHA
Conductor Insulation	EPDM (ethylene propylene diene monomer) thermoset rubber	Approvals*	UL (E46194), CSA (90458)
Conductor Nominal Insulation Thickness	0.030" [0.76 mm]		
* Obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at			

14AWG SJOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
SJOOW-14-2BK20	14/2	0.340 [8.64]	18	20	1.5	
SJOOW-14-2BK50				50	3.8	
SJOOW-14-2BK100				100	7.5	
SJOOW-14-2BK250				250	18.8	
SJOOW-14-2BK500				500	37.5	
SJOOW-14-2BK1000				1000	60.0	
SJOOW-14-3BK20	14/3	0.365 [9.27]	18	20	2.0	
SJOOW-14-3BK50				50	5.0	
SJOOW-14-3BK100				100	10.0	
SJOOW-14-3BK250				250	25.0	
SJOOW-14-3BK500				500	50.0	
SJOOW-14-3BK1000				1000	79.0	
SJOOW-14-4BK20	14/4	0.395 [10.03]	15	20	2.4	
SJOOW-14-4BK50				50	6.0	
SJOOW-14-4BK100				100	11.9	
SJOOW-14-4BK250				250	29.8	
SJOOW-14-4BK500				500	59.5	
SJOOW-14-4BK1000				1000	98.0	
* Per NFPA 70 NEC Table 400.5 (A)(1)						

Please Note: Our prices on flexible cord are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

12AWG SJOOW Portable Cord - 300 Volt

12AWG SJOOW Portable Cord Specifications			
Conductor Gauge	12AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	65/30 bare copper, Class K stranding ASTM B 174		2 conductor - Black, White
Voltage Rating	300V		3 conductor - Black, White, Green
Outer Jacket Material	CPE (chlorinated polyethylene elastomers) thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black with white print	Temperature Rating	75°C (167°F) Wet, 90°C (194°F) Dry
Outer Jacket Thickness	0.045" [1.14 mm] Nominal	Applicable Standards	UL 62, FT2
Overall Diameter	See table below		CSA 22.2 No. 49
Cold Bend	-40°C (-40°F) per UL 1277		NEC (NFPA 70) Article 400
Min. Bend Radius	4x diameter		NEC (NFPA 70) 501.140 Class 1 Div 2
Operating Temperature	-40°C to 90°C (-40°F to 194°F)		MSHA
Conductor Insulation	EPDM (ethylene propylene diene monomer) thermoset rubber	Approvals*	UL (E46194), CSA (90458)
Conductor Nominal Insulation Thickness	0.030" [0.76 mm]		

** Obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at*

12AWG SJOOW Portable Cord						
Part Number	AWG/# of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
SJOOW-12-2BK20	12/2	0.410 [10.41]	25	20	2.2	
SJOOW-12-2BK50				50	5.4	
SJOOW-12-2BK100				100	10.8	
SJOOW-12-2BK250				250	27.0	
SJOOW-12-2BK500				500	54.0	
SJOOW-12-2BK1000				1000	90.0	
SJOOW-12-3BK20	12/3	0.430 [10.92]	25	20	3.0	
SJOOW-12-3BK50				50	7.5	
SJOOW-12-3BK100				100	15.0	
SJOOW-12-3BK250				250	37.5	
SJOOW-12-3BK500				500	75.0	
SJOOW-12-3BK1000				1000	116.0	
SJOOW-12-4BK20	12/4	0.470 [11.94]	20	20	3.5	
SJOOW-12-4BK50				50	8.8	
SJOOW-12-4BK100				100	17.6	
SJOOW-12-4BK250				250	44.0	
SJOOW-12-4BK500				500	88.0	
SJOOW-12-4BK1000				1000	150.0	

** Per NFPA 70 NEC Table 400.5 (A)(1)*

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10AWG SJOOW Portable Cord - 300 Volt

10AWG SJOOW Portable Cord Specifications			
Conductor Gauge	10AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	104/30 bare copper, Class K stranding ASTM B 174		3 conductor - Black, White, Green
Voltage Rating	300V		4 conductor - Black, White, Red, Green
Outer Jacket Material	CPE (chlorinated polyethylene elastomers) thermoset rubber	Temperature Rating	75°C (167°F) Wet, 90°C (194°F) Dry
Outer Jacket Color	Black with white print	Applicable Standards	UL 62, FT2
Outer Jacket Thickness	0.060" [1.52 mm] Nominal		CSA 22.2 No. 49
Overall Diameter	See table below		NEC (NFPA 70) Article 400
Cold Bend	-40°C (-40°F) per UL 1277		NEC (NFPA 70) 501.140 Class 1 Div 2
Min. Bend Radius	4x diameter		MSHA
Operating Temperature	-40°C to 90°C (-40°F to 194°F)	Approvals*	UL (E46194), CSA (90458)
Conductor Insulation	EPDM (ethylene propylene diene monomer) thermoset rubber		
Conductor Nominal Insulation Thickness	0.045" [1.14 mm]		

* Obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at

10AWG SJOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
SJOOW-10-3BK20	10/3	0.569 [14.45]	30	20	4.9	
SJOOW-10-3BK50				50	12.2	
SJOOW-10-3BK100				100	24.4	
SJOOW-10-3BK250				250	61.0	
SJOOW-10-3BK500				500	122.0	
SJOOW-10-3BK1000				1000	250.0	0.00
SJOOW-10-4BK20	10/4	0.635 [16.13]	25	20	6.0	
SJOOW-10-4BK50				50	15.1	
SJOOW-10-4BK100				100	30.2	
SJOOW-10-4BK250				250	75.5	
SJOOW-10-4BK500				500	151.0	
SJOOW-10-4BK1000				1000	257.0	0.00

* Per NFPA 70 NEC Table 400.5 (A)(1)

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Flexible Portable Cord - Type SOOW, SJOOW, SEOOW & SJEOOW Type W



Use AutomationDirect's Flexible Portable Cord for temporary or portable power applications in industrial, OEM, utility, and commercial applications. Based on the type, portable cord is a great solution for ceiling drops, mobile machinery power supplies, pendants and lighting among other applications from the factory floor to mining and heavy construction. Our cord is highly flexible and suitable for harsh conditions, including temperature extremes, as well as, oil and chemicals that are common in the industrial environment.

You get the choice of CPE (chlorinated polyethylene elastomers) thermoset rubber or TPE (thermoplastic elastomer) portable cords that meet all of your requirements in either "Extra-Hard Use" (SOOW & SEOOW) or Hard Use (SJOOW & SJEOOW).

You should feel confident that AutomationDirect's Portable Cord meets or exceeds all the requirements to make it UL & CSA Listed and complies with NFPA 70 Articles 400 & 501.140 (Haz-Loc) and the Mine Safety and Health Administration.

Portable Cord Letter Codes Definitions:

S = Service cord - 600 Volt

J = Junior service - 300 Volt

E = Elastomer - thermoplastic that looks and feels like rubber

OO = Oil-Resistant outer jacket and oil-resistant interior insulation

W = Moisture and sunlight resistant (approved for indoor and outdoor use)

Features

- 18AWG to 8AWG
- 2, 3 & 4 conductors
- Available in 20, 50, 100, 250, 500 & 1000 foot lengths
- 600V & 300V versions, Type W 2000V
- Multiple ratings and approvals
- Wide operating temperature range
- Thermoset rubber or thermoplastic jackets
- Suitable for outdoor use
- Excellent abrasion resistance



Conductor Colors:

2 Conductor ● ○

3 Conductor ● ○ ●

4 Conductor ● ○ ● ●