

# 18AWG SJOOW Portable Cord - 300 Volt

18AWG SJOOW Portable Cord Specifications			
<b>Conductor Gauge</b>	18AWG	<b>Conductor Color</b>	Per UL 62 Annex B
<b>Conductor Stranding</b>	16/30 bare copper, Class K stranding ASTM B 174		2 conductor - Black, White
<b>Voltage Rating</b>	300V		3 conductor - Black, White, Green
<b>Outer Jacket Material</b>	CPE (chlorinated polyethylene elastomers) thermoset rubber	<b>Temperature Rating</b>	4 conductor - Black, White, Red, Green
<b>Outer Jacket Color</b>	Black with white print		75°C (167°F) Wet, 90°C (194°F) Dry
<b>Outer Jacket Thickness</b>	0.030" [0.76 mm] Nominal	<b>Applicable Standards</b>	UL 62, FT2
<b>Overall Diameter</b>	See table below		CSA 22.2 No. 49
<b>Cold Bend</b>	-40°C (-40°F) per UL 1277		NEC (NFPA 70) Article 400
<b>Min. Bend Radius</b>	4x diameter		NEC (NFPA 70) 501.140 Class 1 Div 2
<b>Operating Temperature</b>	-40°C to 90°C (-40°F to 194°F)	<b>Approvals*</b>	MSHA
<b>Conductor Insulation</b>	EPDM (ethylene propylene diene monomer) thermoset rubber		UL (E46194), CSA (90458)
<b>Conductor Nominal Insulation Thickness</b>	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 [www.AutomationDirect.com](http://www.AutomationDirect.com)

18AWG SJOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
<b>SJOOW-18-2BK20</b>	18/2	0.285 [7.24]	10	20	1.0	
<b>SJOOW-18-2BK50</b>				50	2.3	
<b>SJOOW-18-2BK100</b>				100	4.6	
<b>SJOOW-18-2BK250</b>				250	11.5	
<b>SJOOW-18-2BK500</b>				500	23.0	
<b>SJOOW-18-2BK1000</b>				1000	46.0	
<b>SJOOW-18-3BK20</b>	18/3	0.310 [7.87]	10	20	1.2	
<b>SJOOW-18-3BK50</b>				50	3.0	
<b>SJOOW-18-3BK100</b>				100	6.0	
<b>SJOOW-18-3BK250</b>				250	15.0	
<b>SJOOW-18-3BK500</b>				500	30.0	
<b>SJOOW-18-3BK1000</b>				1000	60.0	
<b>SJOOW-18-4BK20</b>	18/4	0.330 [8.38]	7	20	1.5	
<b>SJOOW-18-4BK50</b>				50	3.7	
<b>SJOOW-18-4BK100</b>				100	7.3	
<b>SJOOW-18-4BK250</b>				250	18.3	
<b>SJOOW-18-4BK500</b>				500	36.5	
<b>SJOOW-18-4BK1000</b>				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			
<b>Conductor Gauge</b>	16AWG	<b>Conductor Color</b>	Per UL 62 Annex B
<b>Conductor Stranding</b>	26/30 bare copper, Class K stranding ASTM B 174		2 conductor - Black, White
<b>Voltage Rating</b>	300V		3 conductor - Black, White, Green
<b>Outer Jacket Material</b>	CPE (chlorinated polyethylene elastomers) thermoset rubber		4 conductor - Black, White, Red, Green
<b>Outer Jacket Color</b>	Black with white print	<b>Temperature Rating</b>	75°C (167°F) Wet, 90°C (194°F) Dry
<b>Outer Jacket Thickness</b>	0.030" [0.76 mm] Nominal	<b>Applicable Standards</b>	UL 62, FT2
<b>Overall Diameter</b>	See table below		CSA 22.2 No. 49
<b>Cold Bend</b>	-40°C (-40°F) per UL 1277		NEC (NFPA 70) Article 400
<b>Min. Bend Radius</b>	4x diameter		NEC (NFPA 70) 501.140 Class 1 Div 2
<b>Operating Temperature</b>	-40°C to 90°C (-40°F to 194°F)		MSHA
<b>Conductor Insulation</b>	EPDM (ethylene propylene diene monomer) thermoset rubber	<b>Approvals*</b>	UL (E46194), CSA (90458)
<b>Conductor Nominal Insulation Thickness</b>	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 [www.AutomationDirect.com](http://www.AutomationDirect.com)

16AWG SJOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
<b>SJOOW-16-2BK20</b>	16/2	0.310 [7.87]	13	20	1.1	
<b>SJOOW-16-2BK50</b>				50	2.8	
<b>SJOOW-16-2BK100</b>				100	5.5	
<b>SJOOW-16-2BK250</b>				250	13.8	
<b>SJOOW-16-2BK500</b>				500	27.5	
<b>SJOOW-16-2BK1000</b>				1000	55.0	
<b>SJOOW-16-3BK20</b>	16/3	0.330 [8.38]	13	20	1.5	
<b>SJOOW-16-3BK50</b>				50	3.7	
<b>SJOOW-16-3BK100</b>				100	7.4	
<b>SJOOW-16-3BK250</b>				250	18.5	
<b>SJOOW-16-3BK500</b>				500	37.0	
<b>SJOOW-16-3BK1000</b>				1000	74.0	
<b>SJOOW-16-4BK20</b>	16/4	0.357 [9.07]	10	20	1.7	
<b>SJOOW-16-4BK50</b>				50	4.3	
<b>SJOOW-16-4BK100</b>				100	8.5	
<b>SJOOW-16-4BK250</b>				250	21.3	
<b>SJOOW-16-4BK500</b>				500	42.5	
<b>SJOOW-16-4BK1000</b>				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			
<b>Conductor Gauge</b>	14AWG	<b>Conductor Color</b>	Per UL 62 Annex B
<b>Conductor Stranding</b>	41/30 bare copper, Class K stranding ASTM B 174		2 conductor - Black, White
<b>Voltage Rating</b>	300V		3 conductor - Black, White, Green
<b>Outer Jacket Material</b>	CPE (chlorinated polyethylene elastomers) thermoset rubber		4 conductor - Black, White, Red, Green
<b>Outer Jacket Color</b>	Black with white print	<b>Temperature Rating</b>	75°C (167°F) Wet, 90°C (194°F) Dry
<b>Outer Jacket Thickness</b>	0.030" [0.76 mm] Nominal	<b>Applicable Standards</b>	UL 62, FT2
<b>Overall Diameter</b>	See table below		CSA 22.2 No. 49
<b>Cold Bend</b>	-40°C (-40°F) per UL 1277		NEC (NFPA 70) Article 400
<b>Min. Bend Radius</b>	4x diameter		NEC (NFPA 70) 501.140 Class 1 Div 2
<b>Operating Temperature</b>	-40°C to 90°C (-40°F to 194°F)		MSHA
<b>Conductor Insulation</b>	EPDM (ethylene propylene diene monomer) thermoset rubber	<b>Approvals*</b>	UL (E46194), CSA (90458)
<b>Conductor Nominal Insulation Thickness</b>	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 <a href="http://www.AutomationDirect.com">www.AutomationDirect.com</a>			

14AWG SJOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
<b>SJOOW-14-2BK20</b>	14/2	0.340 [8.64]	18	20	1.5	
<b>SJOOW-14-2BK50</b>				50	3.8	
<b>SJOOW-14-2BK100</b>				100	7.5	
<b>SJOOW-14-2BK250</b>				250	18.8	
<b>SJOOW-14-2BK500</b>				500	37.5	
<b>SJOOW-14-2BK1000</b>				1000	60.0	
<b>SJOOW-14-3BK20</b>	14/3	0.365 [9.27]	18	20	2.0	
<b>SJOOW-14-3BK50</b>				50	5.0	
<b>SJOOW-14-3BK100</b>				100	10.0	
<b>SJOOW-14-3BK250</b>				250	25.0	
<b>SJOOW-14-3BK500</b>				500	50.0	
<b>SJOOW-14-3BK1000</b>				1000	79.0	
<b>SJOOW-14-4BK20</b>	14/4	0.395 [10.03]	15	20	2.4	
<b>SJOOW-14-4BK50</b>				50	6.0	
<b>SJOOW-14-4BK100</b>				100	11.9	
<b>SJOOW-14-4BK250</b>				250	29.8	
<b>SJOOW-14-4BK500</b>				500	59.5	
<b>SJOOW-14-4BK1000</b>				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			
<b>Conductor Gauge</b>	12AWG	<b>Conductor Color</b>	Per UL 62 Annex B
<b>Conductor Stranding</b>	65/30 bare copper, Class K stranding ASTM B 174		2 conductor - Black, White
<b>Voltage Rating</b>	300V		3 conductor - Black, White, Green
<b>Outer Jacket Material</b>	CPE (chlorinated polyethylene elastomers) thermoset rubber		4 conductor - Black, White, Red, Green
<b>Outer Jacket Color</b>	Black with white print	<b>Temperature Rating</b>	75°C (167°F) Wet, 90°C (194°F) Dry
<b>Outer Jacket Thickness</b>	0.045" [1.14 mm] Nominal	<b>Applicable Standards</b>	UL 62, FT2
<b>Overall Diameter</b>	See table below		CSA 22.2 No. 49
<b>Cold Bend</b>	-40°C (-40°F) per UL 1277		NEC (NFPA 70) Article 400
<b>Min. Bend Radius</b>	4x diameter		NEC (NFPA 70) 501.140 Class 1 Div 2
<b>Operating Temperature</b>	-40°C to 90°C (-40°F to 194°F)		MSHA
<b>Conductor Insulation</b>	EPDM (ethylene propylene diene monomer) thermoset rubber	<b>Approvals*</b>	UL (E46194), CSA (90458)
<b>Conductor Nominal Insulation Thickness</b>	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 <a href="http://www.AutomationDirect.com">www.AutomationDirect.com</a>			

12AWG SJOOW Portable Cord						
Part Number	AWG/# of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
<b>SJOOW-12-2BK20</b>	12/2	0.410 [10.41]	25	20	2.2	
<b>SJOOW-12-2BK50</b>				50	5.4	
<b>SJOOW-12-2BK100</b>				100	10.8	
<b>SJOOW-12-2BK250</b>				250	27.0	
<b>SJOOW-12-2BK500</b>				500	54.0	
<b>SJOOW-12-2BK1000</b>				1000	90.0	
<b>SJOOW-12-3BK20</b>	12/3	0.430 [10.92]	25	20	3.0	
<b>SJOOW-12-3BK50</b>				50	7.5	
<b>SJOOW-12-3BK100</b>				100	15.0	
<b>SJOOW-12-3BK250</b>				250	37.5	
<b>SJOOW-12-3BK500</b>				500	75.0	
<b>SJOOW-12-3BK1000</b>				1000	116.0	
<b>SJOOW-12-4BK20</b>	12/4	0.470 [11.94]	20	20	3.5	
<b>SJOOW-12-4BK50</b>				50	8.8	
<b>SJOOW-12-4BK100</b>				100	17.6	
<b>SJOOW-12-4BK250</b>				250	44.0	
<b>SJOOW-12-4BK500</b>				500	88.0	
<b>SJOOW-12-4BK1000</b>				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			
<b>Conductor Gauge</b>	10AWG	<b>Conductor Color</b>	Per UL 62 Annex B
<b>Conductor Stranding</b>	104/30 bare copper, Class K stranding ASTM B 174		3 conductor - Black, White, Green
<b>Voltage Rating</b>	300V		4 conductor - Black, White, Red, Green
<b>Outer Jacket Material</b>	CPE (chlorinated polyethylene elastomers) thermoset rubber	<b>Temperature Rating</b>	75°C (167°F) Wet, 90°C (194°F) Dry
<b>Outer Jacket Color</b>	Black with white print	<b>Applicable Standards</b>	UL 62, FT2
<b>Outer Jacket Thickness</b>	0.060" [1.52 mm] Nominal		CSA 22.2 No. 49
<b>Overall Diameter</b>	See table below		NEC (NFPA 70) Article 400
<b>Cold Bend</b>	-40°C (-40°F) per UL 1277		NEC (NFPA 70) 501.140 Class 1 Div 2
<b>Min. Bend Radius</b>	4x diameter		MSHA
<b>Operating Temperature</b>	-40°C to 90°C (-40°F to 194°F)	<b>Approvals*</b>	UL (E46194), CSA (90458)
<b>Conductor Insulation</b>	EPDM (ethylene propylene diene monomer) thermoset rubber		
<b>Conductor Nominal Insulation Thickness</b>	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 [www.AutomationDirect.com](http://www.AutomationDirect.com)

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

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

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# Flexible Portable Cord - Type SOOW, SJOOW, SEOOW & SJEOWW 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 & SJEOWW).

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** ● ○ ● ●