

# 18AWG SOOW Portable Cord - 600 Volt

18AWG SOOW 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>	600V		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>	0.060" [1.52 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)

18AWG SOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
<b>SOOW-18-2BK20</b>	18/2	0.346 [8.79]	10	20	1.3	\$7.75
<b>SOOW-18-2BK50</b>				50	3.4	\$18.50
<b>SOOW-18-2BK100</b>				100	6.7	\$35.00
<b>SOOW-18-2BK250</b>				250	16.8	\$85.00
<b>SOOW-18-2BK500</b>				500	33.5	\$165.00
<b>SOOW-18-2BK1000</b>				1000	67.0	\$320.00
<b>SOOW-18-3BK20</b>	18/3	0.365 [9.27]	10	20	1.7	\$9.75
<b>SOOW-18-3BK50</b>				50	4.2	\$23.00
<b>SOOW-18-3BK100</b>				100	8.4	\$43.75
<b>SOOW-18-3BK250</b>				250	21.0	\$106.00
<b>SOOW-18-3BK500</b>				500	42.0	\$206.00
<b>SOOW-18-3BK1000</b>				1000	84.0	\$400.00
<b>SOOW-18-4BK20</b>	18/4	0.390 [9.91]	7	20	2.0	\$11.75
<b>SOOW-18-4BK50</b>				50	4.9	\$27.75
<b>SOOW-18-4BK100</b>				100	9.8	\$52.50
<b>SOOW-18-4BK250</b>				250	24.5	\$127.00
<b>SOOW-18-4BK500</b>				500	49.0	\$247.00
<b>SOOW-18-4BK1000</b>				1000	98.0	\$480.00

\* 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 SOOW Portable Cord - 600 Volt

16AWG SOOW 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>	600V		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>	0.060" [1.52 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)

16AWG SOOW Portable Cord						
Part Number	AWG/# of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
<b>SOOW-16-2BK20</b>	16/2	0.370 [9.40]	13	20	1.6	\$8.75
<b>SOOW-16-2BK50</b>				50	4.0	\$20.75
<b>SOOW-16-2BK100</b>				100	8.1	\$39.50
<b>SOOW-16-2BK250</b>				250	20.3	\$95.50
<b>SOOW-16-2BK500</b>				500	40.5	\$185.00
<b>SOOW-16-2BK1000</b>				1000	81.0	\$360.00
<b>SOOW-16-3BK20</b>	16/3	0.390 [9.91]	13	20	1.9	\$11.50
<b>SOOW-16-3BK50</b>				50	4.7	\$27.00
<b>SOOW-16-3BK100</b>				100	9.4	\$51.50
<b>SOOW-16-3BK250</b>				250	23.5	\$125.00
<b>SOOW-16-3BK500</b>				500	47.0	\$242.00
<b>SOOW-16-3BK1000</b>				1000	94.0	\$470.00
<b>SOOW-16-4BK20</b>	16/4	0.415 [10.54]	10	20	2.4	\$13.50
<b>SOOW-16-4BK50</b>				50	5.9	\$32.25
<b>SOOW-16-4BK100</b>				100	11.8	\$61.25
<b>SOOW-16-4BK250</b>				250	29.5	\$149.00
<b>SOOW-16-4BK500</b>				500	59.0	\$288.00
<b>SOOW-16-4BK1000</b>				1000	118.0	\$560.00

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

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# 14AWG SOOW Portable Cord - 600 Volt

14AWG SOOW 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>	600V		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>	0.080" [2.03 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>	0.045" [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 <a href="http://www.AutomationDirect.com">www.AutomationDirect.com</a>			

14AWG SOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
<b>SOOW-14-2BK20</b>	14/2	0.500 [12.70]	18	20	2.7	\$14.00
<b>SOOW-14-2BK50</b>				50	6.7	\$33.50
<b>SOOW-14-2BK100</b>				100	13.4	\$63.50
<b>SOOW-14-2BK250</b>				250	33.5	\$154.00
<b>SOOW-14-2BK500</b>				500	67.0	\$299.00
<b>SOOW-14-2BK1000</b>				1000	134.0	\$580.00
<b>SOOW-14-3BK20</b>	14/3	0.525 [13.34]	18	20	3.4	\$17.50
<b>SOOW-14-3BK50</b>				50	8.5	\$41.50
<b>SOOW-14-3BK100</b>				100	16.9	\$78.75
<b>SOOW-14-3BK250</b>				250	42.3	\$191.00
<b>SOOW-14-3BK500</b>				500	84.5	\$371.00
<b>SOOW-14-3BK1000</b>				1000	169.0	\$720.00
<b>SOOW-14-4BK20</b>	14/4	0.570 [14.48]	15	20	4.0	\$21.75
<b>SOOW-14-4BK50</b>				50	10.1	\$51.75
<b>SOOW-14-4BK100</b>				100	20.1	\$98.50
<b>SOOW-14-4BK250</b>				250	50.3	\$239.00
<b>SOOW-14-4BK500</b>				500	100.5	\$464.00
<b>SOOW-14-4BK1000</b>				1000	201.0	\$900.00
* Per NFPA 70 NEC Table 400.5 (A)(1)						

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# 12AWG SOOW Portable Cord - 600 Volt

12AWG SOOW 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>	600V		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>	0.095" [2.41 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>	0.045" [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 <a href="http://www.AutomationDirect.com">www.AutomationDirect.com</a>			

12AWG SOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
<b>SOOW-12-2BK20</b>	12/2	0.570 [14.48]	25	20	3.7	\$20.50
<b>SOOW-12-2BK50</b>				50	9.2	\$49.00
<b>SOOW-12-2BK100</b>				100	18.4	\$93.00
<b>SOOW-12-2BK250</b>				250	46.0	\$225.00
<b>SOOW-12-2BK500</b>				500	92.0	\$438.00
<b>SOOW-12-2BK1000</b>				1000	184.0	\$850.00
<b>SOOW-12-3BK20</b>	12/3	0.595 [15.11]	25	20	4.5	\$24.25
<b>SOOW-12-3BK50</b>				50	11.2	\$57.50
<b>SOOW-12-3BK100</b>				100	22.4	\$109.00
<b>SOOW-12-3BK250</b>				250	56.0	\$265.00
<b>SOOW-12-3BK500</b>				500	112.0	\$515.00
<b>SOOW-12-3BK1000</b>				1000	224.0	\$1,000.00
<b>SOOW-12-4BK20</b>	12/4	0.650 [16.51]	20	20	5.5	\$28.50
<b>SOOW-12-4BK50</b>				50	13.8	\$67.75
<b>SOOW-12-4BK100</b>				100	27.6	\$129.00
<b>SOOW-12-4BK250</b>				250	69.0	\$313.00
<b>SOOW-12-4BK500</b>				500	138.0	\$608.00
<b>SOOW-12-4BK1000</b>				1000	276.0	\$1,180.00
* Per NFPA 70 NEC Table 400.5 (A)(1)						

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# 10AWG SOOW Portable Cord - 600 Volt

10AWG SOOW 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		2 conductor - Black, White	
<b>Voltage Rating</b>	600V		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>	0.095" [2.41 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>	0.045" [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 SOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
<b>SOOW-10-2BK20</b>	10/2	0.620 [15.75]	30	20	4.5	\$25.50
<b>SOOW-10-2BK50</b>				50	11.3	\$60.25
<b>SOOW-10-2BK100</b>				100	22.5	\$115.00
<b>SOOW-10-2BK250</b>				250	56.3	\$278.00
<b>SOOW-10-2BK500</b>				500	112.5	\$541.00
<b>SOOW-10-2BK1000</b>				1000	225.0	\$1,050.00
<b>SOOW-10-3BK20</b>	10/3	0.660 [16.76]	30	20	6.0	\$33.25
<b>SOOW-10-3BK50</b>				50	15.0	\$79.25
<b>SOOW-10-3BK100</b>				100	29.9	\$151.00
<b>SOOW-10-3BK250</b>				250	74.8	\$366.00
<b>SOOW-10-3BK500</b>				500	149.5	\$711.00
<b>SOOW-10-3BK1000</b>				1000	299.0	\$1,380.00
<b>SOOW-10-4BK20</b>	10/4	0.710 [18.03]	25	20	7.2	\$39.50
<b>SOOW-10-4BK50</b>				50	18.0	\$93.75
<b>SOOW-10-4BK100</b>				100	36.0	\$178.00
<b>SOOW-10-4BK250</b>				250	90.0	\$432.00
<b>SOOW-10-4BK500</b>				500	180.0	\$839.00
<b>SOOW-10-4BK1000</b>				1000	360.0	\$1,630.00

\* 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** ● ○ ● ●