

18AWG SOOW Portable Cord - 600 Volt

18AWG SOOW 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	600V		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	0.060" [1.52 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 SOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
SOOW-18-2BK20	18/2	0.346 [8.79]	10	20	1.3	
SOOW-18-2BK50				50	3.4	
SOOW-18-2BK100				100	6.7	
SOOW-18-2BK250				250	16.8	
SOOW-18-2BK500				500	33.5	
SOOW-18-2BK1000				1000	67.0	
SOOW-18-3BK20	18/3	0.365 [9.27]	10	20	1.7	
SOOW-18-3BK50				50	4.2	
SOOW-18-3BK100				100	8.4	
SOOW-18-3BK250				250	21.0	
SOOW-18-3BK500				500	42.0	
SOOW-18-3BK1000				1000	84.0	
SOOW-18-4BK20	18/4	0.390 [9.91]	7	20	2.0	
SOOW-18-4BK50				50	4.9	
SOOW-18-4BK100				100	9.8	
SOOW-18-4BK250				250	24.5	
SOOW-18-4BK500				500	49.0	
SOOW-18-4BK1000				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.

16AWG SOOW Portable Cord - 600 Volt

16AWG SOOW 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	600V		3 conductor - Black, White, Green
Outer Jacket Material	CPE (chlorinated polyethylene elastomers) thermoset rubber	Temperature Rating	4 conductor - Black, White, Red, Green
Outer Jacket Color	Black with white print		75°C (167°F) Wet, 90°C (194°F) Dry
Outer Jacket Thickness	0.060" [1.52 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)	Approvals*	MSHA
Conductor Insulation	EPDM (ethylene propylene diene monomer) thermoset rubber		UL (E46194), CSA (90458)
Conductor Nominal Insulation Thickness	0.030" [0.76 mm]		

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16AWG SOOW Portable Cord						
Part Number	AWG/# of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
SOOW-16-2BK20	16/2	0.370 [9.40]	13	20	1.6	
SOOW-16-2BK50				50	4.0	
SOOW-16-2BK100				100	8.1	
SOOW-16-2BK250				250	20.3	
SOOW-16-2BK500				500	40.5	
SOOW-16-2BK1000				1000	81.0	
SOOW-16-3BK20	16/3	0.390 [9.91]	13	20	1.9	
SOOW-16-3BK50				50	4.7	
SOOW-16-3BK100				100	9.4	
SOOW-16-3BK250				250	23.5	
SOOW-16-3BK500				500	47.0	
SOOW-16-3BK1000				1000	94.0	
SOOW-16-4BK20	16/4	0.415 [10.54]	10	20	2.4	
SOOW-16-4BK50				50	5.9	
SOOW-16-4BK100				100	11.8	
SOOW-16-4BK250				250	29.5	
SOOW-16-4BK500				500	59.0	
SOOW-16-4BK1000				1000	118.0	

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

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14AWG SOOW Portable Cord - 600 Volt

14AWG SOOW 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	600V		3 conductor - Black, White, Green
Outer Jacket Material	CPE (chlorinated polyethylene elastomers) thermoset rubber	Temperature Rating	4 conductor - Black, White, Red, Green
Outer Jacket Color	Black with white print		75°C (167°F) Wet, 90°C (194°F) Dry
Outer Jacket Thickness	0.080" [2.03 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)	Approvals*	MSHA
Conductor Insulation	EPDM (ethylene propylene diene monomer) thermoset rubber		UL (E46194), CSA (90458)
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			

14AWG SOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
SOOW-14-2BK20	14/2	0.500 [12.70]	18	20	2.7	
SOOW-14-2BK50				50	6.7	
SOOW-14-2BK100				100	13.4	
SOOW-14-2BK250				250	33.5	
SOOW-14-2BK500				500	67.0	
SOOW-14-2BK1000				1000	134.0	
SOOW-14-3BK20	14/3	0.525 [13.34]	18	20	3.4	
SOOW-14-3BK50				50	8.5	
SOOW-14-3BK100				100	16.9	
SOOW-14-3BK250				250	42.3	
SOOW-14-3BK500				500	84.5	
SOOW-14-3BK1000				1000	169.0	
SOOW-14-4BK20	14/4	0.570 [14.48]	15	20	4.0	
SOOW-14-4BK50				50	10.1	
SOOW-14-4BK100				100	20.1	
SOOW-14-4BK250				250	50.3	
SOOW-14-4BK500				500	100.5	
SOOW-14-4BK1000				1000	201.0	
* Per NFPA 70 NEC Table 400.5 (A)(1)						

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12AWG SOOW Portable Cord - 600 Volt

12AWG SOOW 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	600V		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	0.095" [2.41 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	0.045" [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			

12AWG SOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
SOOW-12-2BK20	12/2	0.570 [14.48]	25	20	3.7	
SOOW-12-2BK50				50	9.2	
SOOW-12-2BK100				100	18.4	
SOOW-12-2BK250				250	46.0	
SOOW-12-2BK500				500	92.0	
SOOW-12-2BK1000				1000	184.0	
SOOW-12-3BK20	12/3	0.595 [15.11]	25	20	4.5	
SOOW-12-3BK50				50	11.2	
SOOW-12-3BK100				100	22.4	
SOOW-12-3BK250				250	56.0	
SOOW-12-3BK500				500	112.0	
SOOW-12-3BK1000				1000	224.0	0.00
SOOW-12-4BK20	12/4	0.650 [16.51]	20	20	5.5	
SOOW-12-4BK50				50	13.8	
SOOW-12-4BK100				100	27.6	
SOOW-12-4BK250				250	69.0	
SOOW-12-4BK500				500	138.0	
SOOW-12-4BK1000				1000	276.0	0.00
* Per NFPA 70 NEC Table 400.5 (A)(1)						

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10AWG SOOW Portable Cord - 600 Volt

10AWG SOOW Portable Cord Specifications				
Conductor Gauge	10AWG	Conductor Color	Per UL 62 Annex B	
Conductor Stranding	104/30 bare copper, Class K stranding ASTM B 174		2 conductor - Black, White	
Voltage Rating	600V		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	0.095" [2.41 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	0.045" [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 SOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Reel/Coil Length (ft)	Approximate Weight (lb)	Price
SOOW-10-2BK20	10/2	0.620 [15.75]	30	20	4.5	
SOOW-10-2BK50				50	11.3	
SOOW-10-2BK100				100	22.5	
SOOW-10-2BK250				250	56.3	
SOOW-10-2BK500				500	112.5	
SOOW-10-2BK1000				1000	225.0	0.00
SOOW-10-3BK20	10/3	0.660 [16.76]	30	20	6.0	
SOOW-10-3BK50				50	15.0	
SOOW-10-3BK100				100	29.9	
SOOW-10-3BK250				250	74.8	
SOOW-10-3BK500				500	149.5	
SOOW-10-3BK1000				1000	299.0	0.00
SOOW-10-4BK20	10/4	0.710 [18.03]	25	20	7.2	
SOOW-10-4BK50				50	18.0	
SOOW-10-4BK100				100	36.0	
SOOW-10-4BK250				250	90.0	
SOOW-10-4BK500				500	180.0	
SOOW-10-4BK1000				1000	360.0	0.00

* 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 ● ○ ● ●