



Southwire®

# 18AWG SOOW Portable Cord

## 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)	<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]	<b>Sample Print Legend</b>	SOUTHWIRE® ROYAL® CORD XX/C XX AWG (XXmm2) SOOW E46194 (UL) 600V -40C TO 90C -- CSA LL90458 SOOW 600V -40C TO 90C FT2 WATER RESISTANT

\* To 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*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
<a href="#"><u>SOOW-18-2BK-1</u></a>	18/2	0.346 [8.79]	10	20	0.07	\$0.50
<a href="#"><u>SOOW-18-3BK-1</u></a>	18/3	0.365 [9.27]	10	20	0.08	Retired
<a href="#"><u>SOOW-18-4BK-1</u></a>	18/4	0.390 [9.91]	7	20	0.10	\$0.75

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

\*\* See web store for maximum cut lengths



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.



# Southwire® 16AWG SOOW Portable Cord

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		5 conductor - Black, White, Red, Green, Orange
<b>Outer Jacket Thickness</b>	0.060" [1.52 mm] Nominal		75°C (167°F) Wet, 90°C (194°F) Dry
<b>Overall Diameter</b>	See table below	<b>Applicable Standards</b>	UL 62, FT2
<b>Cold Bend</b>	-40°C (-40°F) per UL 1277		CSA 22.2 No. 49
<b>Min. Bend Radius</b>	4x diameter		NEC (NFPA 70) Article 400
<b>Operating Temperature</b>	-40°C to 90°C (-40°F to 194°F)		NEC (NFPA 70) 501.140 Class 1 Div 2
<b>Conductor Insulation</b>	EPDM (ethylene propylene diene monomer) thermoset rubber	<b>Approvals*</b>	MSHA
<b>Conductor Nominal Insulation Thickness</b>	0.030" [0.76 mm]	<b>Sample Print Legend</b>	UL (E46194), CSA (90458)
SOUTHWIRE® ROYAL® CORD XX/C XX AWG (XXmm2) SOOW E46194 (UL) 600V -40C TO 90C -- CSA LL90458 SOOW 600V -40C TO 90C FT2 WATER RESISTANT			

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16AWG SOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
<a href="#"><u>SOOW-16-2BK-1</u></a>	16/2	0.370 [9.40]	13	20	0.08	Retired
<a href="#"><u>SOOW-16-3BK-1</u></a>	16/3	0.390 [9.91]	13	20	0.09	Retired
<a href="#"><u>SOOW-16-4BK-1</u></a>	16/4	0.415 [10.54]	10	20	0.12	Retired
<a href="#"><u>SOOW-16-5BK-1</u></a>	16/5	0.500 [12.57]	10	20	0.14	\$1.23

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

\*\* See web store for maximum cut lengths



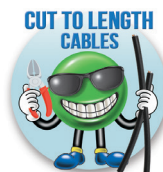
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# Southwire® 14AWG SOOW Portable Cord

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		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>	0.080" [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]	<b>Sample Print Legend</b>	SOUTHWIRE® ROYAL® CORD XX/C XX AWG (XXmm2) SOOW E46194 (UL) 600V -40C TO 90C -- CSA LL90458 SOOW 600V -40C TO 90C FT2 WATER RESISTANT
* To 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*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
<a href="#"><u>SOOW-14-2BK-1</u></a>	14/2	0.500 [12.70]	18	20	0.13	\$0.90
<a href="#"><u>SOOW-14-3BK-1</u></a>	14/3	0.525 [13.34]	18	20	0.17	\$1.18
<a href="#"><u>SOOW-14-4BK-1</u></a>	14/4	0.570 [14.48]	15	20	0.20	Retired
<a href="#"><u>SOOW-14-5BK-1</u></a>	14/5	0.670 [16.97]	15	20	0.27	\$2.09
* Per NFPA 70 NEC Table 400.5 (A)(1) ** See web store for maximum cut lengths						



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# Southwire® 12AWG SOOW Portable Cord

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	<b>Temperature Rating</b>	4 conductor - Black, White, Red, Green
<b>Outer Jacket Color</b>	Black with white print		5 conductor - Black, White, Red, Green, Orange
<b>Outer Jacket Thickness</b>	0.095" [2.41 mm] Nominal		75°C (167°F) Wet, 90°C (194°F) Dry
<b>Overall Diameter</b>	See table below	<b>Applicable Standards</b>	UL 62, FT2
<b>Cold Bend</b>	-40°C (-40°F) per UL 1277		CSA 22.2 No. 49
<b>Min. Bend Radius</b>	4x diameter		NEC (NFPA 70) Article 400
<b>Operating Temperature</b>	-40°C to 90°C (-40°F to 194°F)	<b>Approvals*</b>	NEC (NFPA 70) 501.140 Class 1 Div 2
<b>Conductor Insulation</b>	EPDM (ethylene propylene diene monomer) thermoset rubber		MSHA
<b>Conductor Nominal Insulation Thickness</b>	0.045" [1.14 mm]		UL (E46194), CSA (90458)
		<b>Sample Print Legend</b>	SOUTHWIRE® ROYAL® CORD XX/C XX AWG (XXmm2) SOOW E46194 (UL) 600V -40C TO 90C -- CSA LL90458 SOOW 600V -40C TO 90C FT2 WATER RESISTANT
* To 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*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
<a href="#"><u>SOOW-12-2BK-1</u></a>	12/2	0.570 [14.48]	25	20	0.18	\$1.34
<a href="#"><u>SOOW-12-3BK-1</u></a>	12/3	0.595 [15.11]	25	20	0.22	\$1.67
<a href="#"><u>SOOW-12-4BK-1</u></a>	12/4	0.650 [16.51]	20	20	0.28	Retired
<a href="#"><u>SOOW-12-5BK-1</u></a>	12/5	0.710 [18.11]	20	20	0.34	Retired
* Per NFPA 70 NEC Table 400.5 (A)(1)						
** See web store for maximum cut lengths						



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Southwire®

# 10AWG SOOW Portable Cord

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	<b>Temperature Rating</b>	4 conductor - Black, White, Red, Green
<b>Outer Jacket Color</b>	Black with white print		5 conductor - Black, White, Red, Green, Orange
<b>Outer Jacket Thickness</b>	0.095" [2.41 mm] Nominal		75°C (167°F) Wet, 90°C (194°F) Dry
<b>Overall Diameter</b>	See table below	<b>Applicable Standards</b>	UL 62, FT2
<b>Cold Bend</b>	-40°C (-40°F) per UL 1277		CSA 22.2 No. 49
<b>Min. Bend Radius</b>	4x diameter		NEC (NFPA 70) Article 400
<b>Operating Temperature</b>	-40°C to 90°C (-40°F to 194°F)	<b>Approvals*</b>	NEC (NFPA 70) 501.140 Class 1 Div 2
<b>Conductor Insulation</b>	EPDM (ethylene propylene diene monomer) thermoset rubber		MSHA
<b>Conductor Nominal Insulation Thickness</b>	0.045" [1.14 mm]		UL (E46194), CSA (90458)
		<b>Sample Print Legend</b>	SOUTHWIRE® ROYAL® CORD XX/C XX AWG (XXmm2) SOOW E46194 (UL) 600V -40C TO 90C -- CSA LL90458 SOOW 600V -40C TO 90C FT2 WATER RESISTANT
* To 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>			

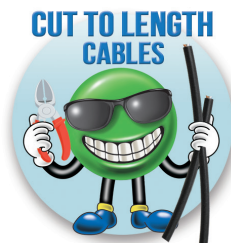
10AWG SOOW Portable Cord						
Part Number	AWG/ # of Conductors	Nominal Overall Diameter in [mm]	Ampacity*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
<a href="#">SOOW-10-2BK-1</a>	10/2	0.620 [15.75]	30	20	0.23	\$1.67
<a href="#">SOOW-10-3BK-1</a>	10/3	0.660 [16.76]	30	20	0.30	Retired
<a href="#">SOOW-10-4BK-1</a>	10/4	0.710 [18.03]	25	20	0.36	\$2.91
<a href="#">SOOW-10-5BK-1</a>	10/5	0.770 [19.56]	25	20	0.44	Retired
* Per NFPA 70 NEC Table 400.5 (A)(1)						
** See web store for maximum cut lengths						



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



## Overview

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

AutomationDirect offers a wide range of portable cord types with jacket materials like CPE (chlorinated polyethylene elastomers), thermoset rubber or TPE (thermoplastic elastomer), and insulation types of Ethylene propylene rubber (EPR) or Ethylene Propylene Diene Monomer (EPDM) rubber. The combinations of these jackets and insulation types meet the requirement for "Extra-Hard Use" (SOOW & SEOOW) or "Hard Use" (SJOOW & SJEOWW) applications and carry the appropriate UL, CSA or MSHA ratings so they can be trusted to work in the harshest environments.

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.

## Features

- 18AWG to 6AWG
- 2, 3, 4 & 5 conductors
- Cut to length in 1-foot increments
- As low as 10-foot minimum length
- 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



Click on the above thumbnail or go to <https://www.automationdirect.com/VID-WD-0016> for a short introduction on our cut to length cable

### Portable Cord Letter Codes Definitions:

- S** = Service cord - 600 Volt  
**J** = Junior service - 300 Volt  
**E** = Elastomer - thermoplastic elastomer 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)

### Conductor Colors:

**2 Conductor** ● ●

**3 Conductor** ● ● ●

**4 Conductor** ● ● ● ●

**5 Conductor** ● ● ● ● ●