



Southwire®

18AWG SOOW Portable Cord

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)	Approvals*	MSHA
Conductor Insulation	EPDM (ethylene propylene diene monomer) thermoset rubber		UL (E46194), CSA (90458)
Conductor Nominal Insulation Thickness	0.030" [0.76 mm]	Sample Print Legend	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

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
<u>SOOW-18-2BK-1</u>	18/2	0.346 [8.79]	10	20	0.07	\$0.50
<u>SOOW-18-3BK-1</u>	18/3	0.365 [9.27]	10	20	0.08	Retired
<u>SOOW-18-4BK-1</u>	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			
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		5 conductor - Black, White, Red, Green, Orange
Outer Jacket Thickness	0.060" [1.52 mm] Nominal		75°C (167°F) Wet, 90°C (194°F) Dry
Overall Diameter	See table below	Applicable Standards	UL 62, FT2
Cold Bend	-40°C (-40°F) per UL 1277		CSA 22.2 No. 49
Min. Bend Radius	4x diameter		NEC (NFPA 70) Article 400
Operating Temperature	-40°C to 90°C (-40°F to 194°F)	Approvals*	NEC (NFPA 70) 501.140 Class 1 Div 2
Conductor Insulation	EPDM (ethylene propylene diene monomer) thermoset rubber		MSHA
Conductor Nominal Insulation Thickness	0.030" [0.76 mm]		UL (E46194), CSA (90458)
		Sample Print Legend	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			

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
<u>SOOW-16-2BK-1</u>	16/2	0.370 [9.40]	13	20	0.08	Retired
<u>SOOW-16-3BK-1</u>	16/3	0.390 [9.91]	13	20	0.09	Retired
<u>SOOW-16-4BK-1</u>	16/4	0.415 [10.54]	10	20	0.12	Retired
<u>SOOW-16-5BK-1</u>	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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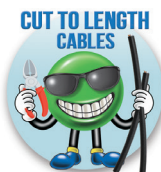


Southwire®

14AWG SOOW Portable Cord

14AWG SOOW Portable Cord Specifications			
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		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	0.080" [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]	Sample Print Legend	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			

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
SOOW-14-2BK-1	14/2	0.500 [12.70]	18	20	0.13	\$0.90
SOOW-14-3BK-1	14/3	0.525 [13.34]	18	20	0.17	Retired
SOOW-14-4BK-1	14/4	0.570 [14.48]	15	20	0.20	Retired
SOOW-14-5BK-1	14/5	0.670 [16.97]	15	20	0.27	Retired
* 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			
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	Temperature Rating	4 conductor - Black, White, Red, Green
Outer Jacket Color	Black with white print		5 conductor - Black, White, Red, Green, Orange
Outer Jacket Thickness	0.095" [2.41 mm] Nominal		75°C (167°F) Wet, 90°C (194°F) Dry
Overall Diameter	See table below	Applicable Standards	UL 62, FT2
Cold Bend	-40°C (-40°F) per UL 1277		CSA 22.2 No. 49
Min. Bend Radius	4x diameter		NEC (NFPA 70) Article 400
Operating Temperature	-40°C to 90°C (-40°F to 194°F)	Approvals*	NEC (NFPA 70) 501.140 Class 1 Div 2
Conductor Insulation	EPDM (ethylene propylene diene monomer) thermoset rubber		MSHA
Conductor Nominal Insulation Thickness	0.045" [1.14 mm]		UL (E46194), CSA (90458)
		Sample Print Legend	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			

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
<u>SOOW-12-2BK-1</u>	12/2	0.570 [14.48]	25	20	0.18	\$1.34
<u>SOOW-12-3BK-1</u>	12/3	0.595 [15.11]	25	20	0.22	\$1.67
<u>SOOW-12-4BK-1</u>	12/4	0.650 [16.51]	20	20	0.28	Retired
<u>SOOW-12-5BK-1</u>	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

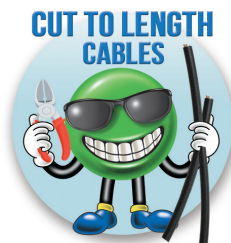
10AWG SOOW Portable Cord Specifications			
Conductor Gauge	10AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	104/30 bare copper, Class K stranding ASTM B 174		2 conductor - Black, White
Voltage Rating	600V		3 conductor - Black, White, Green
Outer Jacket Material	CPE (chlorinated polyethylene elastomers)thermoset rubber		4 conductor - Black, White, Red, Green 5 conductor - Black, White, Red, Green, Orange
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)	Approvals*	MSHA
Conductor Insulation	EPDM (ethylene propylene diene monomer) thermoset rubber		UL (E46194), CSA (90458)
Conductor Nominal Insulation Thickness	0.045" [1.14 mm]	Sample Print Legend	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			

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
SOOW-10-2BK-1	10/2	0.620 [15.75]	30	20	0.23	Retired
SOOW-10-3BK-1	10/3	0.660 [16.76]	30	20	0.30	Retired
SOOW-10-4BK-1	10/4	0.710 [18.03]	25	20	0.36	Retired
SOOW-10-5BK-1	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 ● ○ ● ● ●