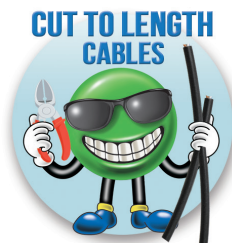


# Flexible Portable Cord - Type SOOW, SJOOW, SEOOW & SJEOWW Type W



## 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.

### 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)

## 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

### Conductor Colors:

**2 Conductor** ● ●

**3 Conductor** ● ● ●

**4 Conductor** ● ● ● ●

**5 Conductor** ● ● ● ● ●



# 18AWG SOOW Portable Cord 600 Volt

18AWG SOOW Portable Cord Specifications			
<b>Conductor Gauge</b>	18 AWG	<b>Conductor Color</b>	Per UL 62 Annex B
<b>Conductor Stranding</b>	16-stranded		2 conductor - Black, White
<b>Voltage Rating</b>	600V		3 conductor - Black, White, Green
<b>Outer Jacket Material</b>	CPE thermoset rubber		4 conductor - Black, White, Red, Green
<b>Outer Jacket Color</b>	Black		5 conductor - Black, White, Red, Green, Orange
<b>Outer Jacket Thickness</b>	See table below	<b>Temperature Rating</b>	90°C (194°F)
<b>Overall Diameter</b>	See table below	<b>Applicable Standards</b>	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
<b>Min. Bend Radius</b>	Flexing: 10x OD, Static: 6x OD		
<b>Operating Temperature</b>	Flexing: -40°C to 90°C (-40°F to 194°F) Static: -20°C to 90°C (-4°F to 194°F)		
<b>Conductor Insulation</b>	EPDM thermoset rubber	<b>Approvals*</b>	UL (E192384), CSA (LL602586)
<b>Conductor Nominal Insulation Thickness</b>	0.030 in [0.76 mm]	<b>Sample Print Legend</b>	HELUKABEL P/N XXXXXXXX CORD XC 18AWG (0.824MM2) SOOW E192384 (UL) 600V -40C TO 90C -- CSA LL602586 SOOW 600V -40C TO 90C FT2 SUN & WATER RESISTANT P-07-KA14001 MSHA CE 03046MTR <CH 11 86 PGR12909 A1>
<b>Outdoor Rated</b>	Yes		
<b>Sunlight Resistant</b>	Yes		
<b>Flame Retardant</b>	Yes (CSA FT2)		
* 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>			

18AWG SOOW Portable Cord							
Part Number	AWG/ # of Conductors	Nominal Overall Diameter (in [mm])	Outer Jacket Thickness (in [mm])	Ampacity*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
<a href="#">H11161802-1</a>	18/2	0.346 [8.79]	0.060 [1.52]	10	20	0.08	\$0.38
<a href="#">H11161803-1</a>	18/3	0.365 [9.27]		10	20	0.09	\$0.51
<a href="#">H11161804-1</a>	18/4	0.390 [9.91]		7	20	0.10	\$0.56
* Per NFPA 70 NEC Table 400.5 (A)(1)							
** See web store for maximum cut lengths							



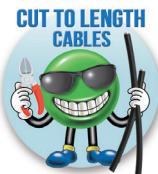
Please Note: Our prices on flexible cord are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.



# 16AWG SOOW Portable Cord 600 Volt

16AWG SOOW Portable Cord Specifications			
<b>Conductor Gauge</b>	16 AWG	<b>Conductor Color</b>	Per UL 62 Annex B
<b>Conductor Stranding</b>	26-stranded		2 conductor - Black, White
<b>Voltage Rating</b>	600V		3 conductor - Black, White, Green
<b>Outer Jacket Material</b>	CPE thermoset rubber		4 conductor - Black, White, Red, Green
<b>Outer Jacket Color</b>	Black		5 conductor - Black, White, Red, Green, Orange
<b>Outer Jacket Thickness</b>	See table below	<b>Temperature Rating</b>	90°C (194°F)
<b>Overall Diameter</b>	See table below	<b>Applicable Standards</b>	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
<b>Min. Bend Radius</b>	Flexing: 10x OD, Static: 6x OD		
<b>Operating Temperature</b>	Flexing: -40°C to 90°C (-40°F to 194°F) Static: -20°C to 90°C (-4°F to 194°F)		
<b>Conductor Insulation</b>	EPDM thermoset rubber	<b>Approvals*</b>	UL (E192384), CSA (LL602586)
<b>Conductor Nominal Insulation Thickness</b>	0.030 in [0.76 mm]	<b>Sample Print Legend</b>	HELUKABEL P/N XXXXXXXX CORD XC 16AWG (0.824MM2) SOOW E192384 (UL) 600V -40C TO 90C -- CSA LL602586 SOOW 600V -40C TO 90C FT2 SUN & WATER RESISTANT P-07-KA14001 MSHA CE 03046MTR <CH 11 86 PGR12909 A1>
<b>Outdoor Rated</b>	Yes		
<b>Sunlight Resistant</b>	Yes		
<b>Flame Retardant</b>	Yes (CSA FT2)		
* 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>			

16AWG SOOW Portable Cord							
Part Number	AWG/ # of Conductors	Nominal Overall Diameter (in [mm])	Outer Jacket Thickness (in [mm])	Ampacity*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
<a href="#">H11161602-1</a>	16/2	0.370 [9.40]	0.060 [1.52]	13	20	0.09	\$0.49
<a href="#">H11161603-1</a>	16/3	0.390 [9.91]		13	20	0.10	\$0.63
<a href="#">H11161604-1</a>	16/4	0.415 [10.54]		10	20	0.12	\$0.80
<a href="#">H11161605-1</a>	16/5	0.500 [12.57]		10	20	0.16	\$1.02
* Per NFPA 70 NEC Table 400.5 (A)(1)							
** See web store for maximum cut lengths							



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# 14AWG SOOW Portable Cord 600 Volt

14AWG SOOW Portable Cord Specifications			
<b>Conductor Gauge</b>	14 AWG	<b>Conductor Color</b>	Per UL 62 Annex B
<b>Conductor Stranding</b>	41-stranded		2 conductor - Black, White
<b>Voltage Rating</b>	600V		3 conductor - Black, White, Green
<b>Outer Jacket Material</b>	CPE thermoset rubber		4 conductor - Black, White, Red, Green
<b>Outer Jacket Color</b>	Black		5 conductor - Black, White, Red, Green, Orange
<b>Outer Jacket Thickness</b>	See table below	<b>Temperature Rating</b>	90°C (194°F)
<b>Overall Diameter</b>	See table below	<b>Applicable Standards</b>	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
<b>Min. Bend Radius</b>	Flexing: 10x OD, Static: 6x OD		
<b>Operating Temperature</b>	Flexing: -40°C to 90°C (-40°F to 194°F) Static: -20°C to 90°C (-4°F to 194°F)		
<b>Conductor Insulation</b>	EPDM thermoset rubber	<b>Approvals*</b>	UL (E192384), CSA (LL602586)
<b>Conductor Nominal Insulation Thickness</b>	0.045 in [1.14 mm]	<b>Sample Print Legend</b>	HELUKABEL P/N XXXXXXXX CORD XC 14AWG (0.824MM2) SOOW E192384 (UL) 600V -40C TO 90C -- CSA LL602586 SOOW 600V -40C TO 90C FT2 SUN & WATER RESISTANT P-07-KA14001 MSHA CE 03046MTR <CH 11 86 PGR12909 A1>
<b>Outdoor Rated</b>	Yes		
<b>Sunlight Resistant</b>	Yes		
<b>Flame Retardant</b>	Yes (CSA FT2)		
* 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])	Outer Jacket Thickness (in [mm])	Ampacity*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
<a href="#">H11161402-1</a>	14/2	0.500 [12.70]	0.080 [2.03]	18	20	0.16	\$0.79
<a href="#">H11161403-1</a>	14/3	0.525 [13.34]		18	20	0.19	\$1.05
<a href="#">H11161404-1</a>	14/4	0.570 [14.48]		15	20	0.22	\$1.33
<a href="#">H11161405-1</a>	14/5	0.670 [16.97]	0.095 [2.41]	12	20	0.27	\$1.71
* Per NFPA 70 NEC Table 400.5 (A)(1)							
** See web store for maximum cut lengths							



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# 12AWG SOOW Portable Cord 600 Volt

12AWG SOOW Portable Cord Specifications			
<b>Conductor Gauge</b>	12 AWG	<b>Conductor Color</b>	Per UL 62 Annex B
<b>Conductor Stranding</b>	65-stranded		2 conductor - Black, White
<b>Voltage Rating</b>	600V		3 conductor - Black, White, Green
<b>Outer Jacket Material</b>	CPE thermoset rubber		4 conductor - Black, White, Red, Green
<b>Outer Jacket Color</b>	Black		5 conductor - Black, White, Red, Green, Orange
<b>Outer Jacket Thickness</b>	See table below	<b>Temperature Rating</b>	90°C (194°F)
<b>Overall Diameter</b>	See table below	<b>Applicable Standards</b>	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
<b>Min. Bend Radius</b>	Flexing: 10x OD, Static: 6x OD		
<b>Operating Temperature</b>	Flexing: -40°C to 90°C (-40°F to 194°F) Static: -20°C to 90°C (-4°F to 194°F)		
<b>Conductor Insulation</b>	EPDM thermoset rubber	<b>Approvals*</b>	UL (E192384), CSA (LL602586)
<b>Conductor Nominal Insulation Thickness</b>	0.045 in [1.14 mm]	<b>Sample Print Legend</b>	HELUKABEL P/N XXXXXXXX CORD XC 12AWG (0.824MM2) SOOW E192384 (UL) 600V -40C TO 90C -- CSA LL602586 SOOW 600V -40C TO 90C FT2 SUN & WATER RESISTANT P-07-KA14001 MSHA CE 03046MTR <CH 11 86 PGR12909 A1>
<b>Outdoor Rated</b>	Yes		
<b>Sunlight Resistant</b>	Yes		
<b>Flame Retardant</b>	Yes (CSA FT2)		
* 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])	Outer Jacket Thickness (in [mm])	Ampacity*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
<a href="#">H11161202-1</a>	12/2	0.570 [14.48]	0.095 [2.41]	25	20	0.22	\$1.13
<a href="#">H11161203-1</a>	12/3	0.595 [15.11]		25	20	0.24	\$1.51
<a href="#">H11161204-1</a>	12/4	0.645 [16.51]		20	20	0.27	\$1.90
<a href="#">H11161205-1</a>	12/5	0.710 [18.11]		16	20	0.35	\$2.40
* Per NFPA 70 NEC Table 400.5 (A)(1)							
** See web store for maximum cut lengths							



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# 10AWG SOOW Portable Cord 600 Volt

10AWG SOOW Portable Cord Specifications			
<b>Conductor Gauge</b>	10 AWG	<b>Conductor Color</b>	Per UL 62 Annex B
<b>Conductor Stranding</b>	105-stranded		2 conductor - Black, White
<b>Voltage Rating</b>	600V		3 conductor - Black, White, Green
<b>Outer Jacket Material</b>	CPE thermoset rubber		4 conductor - Black, White, Red, Green
<b>Outer Jacket Color</b>	Black		5 conductor - Black, White, Red, Green, Orange
<b>Outer Jacket Thickness</b>	See table below	<b>Temperature Rating</b>	90°C (194°F)
<b>Overall Diameter</b>	See table below	<b>Applicable Standards</b>	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
<b>Min. Bend Radius</b>	Flexing: 10x OD, Static: 6x OD		
<b>Operating Temperature</b>	Flexing: -40°C to 90°C (-40°F to 194°F) Static: -20°C to 90°C (-4°F to 194°F)		
<b>Conductor Insulation</b>	EPDM thermoset rubber	<b>Approvals*</b>	UL (E192384), CSA (LL602586)
<b>Conductor Nominal Insulation Thickness</b>	0.045 in [1.14 mm]	<b>Sample Print Legend</b>	HELUKABEL P/N XXXXXXXX CORD XC 10AWG (0.824MM2) SOOW E192384 (UL) 600V -40C TO 90C -- CSA LL602586 SOOW 600V -40C TO 90C FT2 SUN & WATER RESISTANT P-07-KA14001 MSHA CE 03046MTR <CH 11 86 PGR12909 A1>
<b>Outdoor Rated</b>	Yes		
<b>Sunlight Resistant</b>	Yes		
<b>Flame Retardant</b>	Yes (CSA FT2)		
* 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])	Outer Jacket Thickness (in [mm])	Ampacity*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
<a href="#">H11161002-1</a>	10/2	0.620 [15.75]	0.095 [2.41]	30	20	0.26	\$1.62
<a href="#">H11161003-1</a>	10/3	0.660 [16.76]		30	20	0.32	\$2.23
<a href="#">H11161004-1</a>	10/4	0.710 [18.03]		25	20	0.38	\$2.88
<a href="#">H11161005-1</a>	10/5	0.770 [19.56]		20	20	0.44	\$3.52
* Per NFPA 70 NEC Table 400.5 (A)(1)							
** See web store for maximum cut lengths							



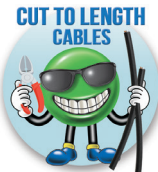
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# 8AWG SOOW Portable Cord 600 Volt

8AWG SOOW Portable Cord Specifications			
<b>Conductor Gauge</b>	8 AWG	<b>Conductor Color</b>	Per UL 62 Annex B
<b>Conductor Stranding</b>	168-stranded		2 conductor - Black, White
<b>Voltage Rating</b>	600V		3 conductor - Black, White, Green
<b>Outer Jacket Material</b>	CPE thermoset rubber		4 conductor - Black, White, Red, Green
<b>Outer Jacket Color</b>	Black		5 conductor - Black, White, Red, Green, Orange
<b>Outer Jacket Thickness</b>	See table below	<b>Temperature Rating</b>	90°C (194°F)
<b>Overall Diameter</b>	See table below	<b>Applicable Standards</b>	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
<b>Min. Bend Radius</b>	Flexing: 10x OD, Static: 6x OD		
<b>Operating Temperature</b>	Flexing: -40°C to 90°C (-40°F to 194°F) Static: -20°C to 90°C (-4°F to 194°F)		
<b>Conductor Insulation</b>	EPDM thermoset rubber	<b>Approvals*</b>	UL (E192384), CSA (LL602586)
<b>Conductor Nominal Insulation Thickness</b>	0.060 in [1.52 mm]	<b>Sample Print Legend</b>	HELUKABEL P/N XXXXXXXX CORD XC 8AWG (0.824MM2) SOOW E192384 (UL) 600V -40C TO 90C -- CSA LL602586 SOOW 600V -40C TO 90C FT2 SUN & WATER RESISTANT P-07-KA14001 MSHA CE 03046MTR <CH 11 86 PGR12909 A1>
<b>Outdoor Rated</b>	Yes		
<b>Sunlight Resistant</b>	Yes		
<b>Flame Retardant</b>	Yes (CSA FT2)		
* 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>			

8AWG SOOW Portable Cord							
Part Number	AWG/ # of Conductors	Nominal Overall Diameter (in [mm])	Outer Jacket Thickness (in [mm])	Ampacity*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
<a href="#">H11160803-1</a>	8/3	0.874 [17.86]	0.110 [2.79]	40	10	0.47	\$3.33
<a href="#">H11160804-1</a>	8/4	0.976 [19.56]	0.125 [3.18]	35	10	0.61	\$4.40
* Per NFPA 70 NEC Table 400.5 (A)(1)							
** See web store for maximum cut lengths							



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**HELUKABEL®**

# 6AWG SOOW Portable Cord

## 600 Volt

6AWG SOOW Portable Cord Specifications			
<b>Conductor Gauge</b>	6 AWG	<b>Conductor Color</b>	Per UL 62 Annex B
<b>Conductor Stranding</b>	266-stranded		2 conductor - Black, White
<b>Voltage Rating</b>	600V		3 conductor - Black, White, Green
<b>Outer Jacket Material</b>	CPE thermoset rubber		4 conductor - Black, White, Red, Green
<b>Outer Jacket Color</b>	Black		5 conductor - Black, White, Red, Green, Orange
<b>Outer Jacket Thickness</b>	See table below	<b>Temperature Rating</b>	90°C (194°F)
<b>Overall Diameter</b>	See table below	<b>Applicable Standards</b>	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
<b>Min. Bend Radius</b>	Flexing: 10x OD, Static: 6x OD		
<b>Operating Temperature</b>	Flexing: -40°C to 90°C (-40°F to 194°F) Static: -20°C to 90°C (-4°F to 194°F)		
<b>Conductor Insulation</b>	EPDM thermoset rubber	<b>Approvals*</b>	UL (E192384), CSA (LL602586)
<b>Conductor Nominal Insulation Thickness</b>	0.060 in [1.52 mm]	<b>Sample Print Legend</b>	HELUKABEL P/N XXXXXXXX CORD XC 6AWG (0.824MM2) SOOW E192384 (UL) 600V -40C TO 90C -- CSA LL602586 SOOW 600V -40C TO 90C FT2 SUN & WATER RESISTANT P-07- KA14001 MSHA CE 03046MTR <CH 11 86 PGR12909 A1>
<b>Outdoor Rated</b>	Yes		
<b>Sunlight Resistant</b>	Yes		
<b>Flame Retardant</b>	Yes (CSA FT2)		
* 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>			

6AWG SOOW Portable Cord							
Part Number	AWG/ # of Conductors	Nominal Overall Diameter (in [mm])	Outer Jacket Thickness (in [mm])	Ampacity*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
<a href="#">H11160603-1</a>	6/3	0.988 [19.32]	0.125 [3.18]	55	10	0.64	\$4.91
<a href="#">H11160604-1</a>	6/4	1.106 [21.21]	0.140 [3.56]	45	10	0.82	\$6.49
* Per NFPA 70 NEC Table 400.5 (A)(1)							
** See web store for maximum cut lengths							



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