

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 ● ○ ● ● ●

HELUKABEL®

18AWG SJOOW Portable Cord

300 Volt

18AWG SJOOW Portable Cord Specifications			
Conductor Gauge	18 AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	16-stranded		2 conductor - Black, White
Voltage Rating	300V		3 conductor - Black, White, Green
Outer Jacket Material	CPE thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black	Temperature Rating	90°C (194°F)
Outer Jacket Thickness	See table below	Applicable Standards	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
Overall Diameter	See table below		
Min. Bend Radius	Flexing: 10x OD, Static: 6x OD		
Operating Temperature	Flexing: -40°C to 90°C (-40°F to 194°F)	Approvals*	UL (E192384), CSA (LL602586)
	Static: -20°C to 90°C (-4°F to 194°F)		
Conductor Insulation	EPDM thermoset rubber	Sample Print Legend	HELUKABEL P/N XXXXXXXX CORD XC 18AWG (0.824MM2) SJOOW E192384 (UL) 300V -40C TO 90C -- CSA LL602586 SJOOW 300V -40C TO 90C FT2 SUN & WATER RESISTANT P-07 KA14001 MSHA CE 00574MTR <CH 11 86 PGR1878 FH>
Conductor Nominal Insulation Thickness	0.030 in [0.76 mm]		
Outdoor Rated	Yes		
Sunlight Resistant	Yes		
Flame Retardant	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 www.AutomationDirect.com			

18AWG SJOOW 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
H11131802-1	18/2	0.285 [7.24]	0.030 [0.76]	10	20	0.06	\$0.33
H11131803-1	18/3	0.310 [7.87]		10	20	0.07	\$0.46
H11131804-1	18/4	0.330 [8.38]		7	20	0.07	\$0.50
* 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.

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16AWG SJOOW Portable Cord

300 Volt

16AWG SJOOW Portable Cord Specifications			
Conductor Gauge	16 AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	26-stranded		2 conductor - Black, White
Voltage Rating	300V		3 conductor - Black, White, Green
Outer Jacket Material	CPE thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black	Temperature Rating	90°C (194°F)
Outer Jacket Thickness	See table below	Applicable Standards	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
Overall Diameter	See table below		
Min. Bend Radius	Flexing: 10x OD, Static: 6x OD		
Operating Temperature	Flexing: -40°C to 90°C (-40°F to 194°F)	Approvals*	UL (E192384), CSA (LL602586)
	Static: -20°C to 90°C (-4°F to 194°F)		
Conductor Insulation	EPDM thermoset rubber	Sample Print Legend	HELUKABEL P/N XXXXXXXX CORD XC 16AWG (XXMM2) SJOOW E192384 (UL) 300V -40C TO 90C -- CSA LL602586 SJOOW 300V -40C TO 90C FT2 SUN & WATER RESISTANT P-07 KA14001 MSHA CE 00574MTR <CH 11 86 PGR1878 FH>
Conductor Nominal Insulation Thickness	0.030 in [0.76 mm]		
Outdoor Rated	Yes		
Sunlight Resistant	Yes		
Flame Retardant	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 www.AutomationDirect.com			

16AWG SJOOW 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
H11131602-1	16/2	0.310 [7.87]	0.030 [0.76]	13	20	0.07	\$0.41
H11131603-1	16/3	0.330 [8.38]		13	20	0.08	\$0.57
H11131604-1	16/4	0.357 [9.07]		10	20	0.09	\$0.74
* Per NFPA 70 NEC Table 400.5 (A)(1)							
** See web store for maximum cut lengths							



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14AWG SJOOW Portable Cord

300 Volt

14AWG SJOOW Portable Cord Specifications

Conductor Gauge	14 AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	41-stranded		2 conductor - Black, White
Voltage Rating	300V		3 conductor - Black, White, Green
Outer Jacket Material	CPE thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black	Temperature Rating	90°C (194°F)
Outer Jacket Thickness	See table below	Applicable Standards	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
Overall Diameter	See table below		
Min. Bend Radius	Flexing: 10x OD, Static: 6x OD		
Operating Temperature	Flexing: -40°C to 90°C (-40°F to 194°F)	Approvals*	UL (E192384), CSA (LL602586)
	Static: -20°C to 90°C (-4°F to 194°F)		
Conductor Insulation	EPDM thermoset rubber	Sample Print Legend	HELUKABEL P/N XXXXXXXX CORD XC 14AWG (XXMM2) SJOOW E192384 (UL) 300V -40C TO 90C -- CSA LL602586 SJOOW 300V -40C TO 90C FT2 SUN & WATER RESISTANT P-07 KA14001 MSHA CE 00574MTR <CH 11 86 PGR1878 FH>
Conductor Nominal Insulation Thickness	0.045 in [1.14 mm]		
Outdoor Rated	Yes		
Sunlight Resistant	Yes		
Flame Retardant	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 www.AutomationDirect.com			

14AWG SJOOW Portable Cord

<i>Part Number</i>	<i>AWG/ # of Conductors</i>	<i>Nominal Overall Diameter (in [mm])</i>	<i>Outer Jacket Thickness (in [mm])</i>	<i>Ampacity*</i>	<i>Minimum Cut Length (ft)**</i>	<i>Approximate Weight (lb/ft)</i>	<i>Price per foot</i>
<i>H11131402-1</i>	14/2	0.340 [8.64]	0.030 [0.76]	18	20	0.08	\$0.60
<i>H11131403-1</i>	14/3	0.365 [9.27]		18	20	0.10	\$0.85
<i>H11131404-1</i>	14/4	0.395 [10.03]		15	20	0.13	\$1.11
* Per NFPA 70 NEC Table 400.5 (A)(1)							
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12AWG SJOOW Portable Cord

300 Volt

12AWG SJOOW Portable Cord Specifications

Conductor Gauge	12 AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	65-stranded		2 conductor - Black, White
Voltage Rating	300V		3 conductor - Black, White, Green
Outer Jacket Material	CPE thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black	Temperature Rating	90°C (194°F)
Outer Jacket Thickness	See table below	Applicable Standards	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
Overall Diameter	See table below		
Min. Bend Radius	Flexing: 10x OD, Static: 6x OD		
Operating Temperature	Flexing: -40°C to 90°C (-40°F to 194°F)	Approvals*	UL (E192384), CSA (LL602586)
	Static: -20°C to 90°C (-4°F to 194°F)		
Conductor Insulation	EPDM thermoset rubber	Sample Print Legend	HELUKABEL P/N XXXXXXXX CORD XC 12AWG (XXMM2) SJOOW E192384 (UL) 300V -40C TO 90C -- CSA LL602586 SJOOW 300V -40C TO 90C FT2 SUN & WATER RESISTANT P-07 KA14001 MSHA CE 00574MTR <CH 11 86 PGR1878 FH>
Conductor Nominal Insulation Thickness	0.045 in [1.14 mm]		
Outdoor Rated	Yes		
Sunlight Resistant	Yes		
Flame Retardant	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 www.AutomationDirect.com			

12AWG SJOOW Portable Cord

<i>Part Number</i>	<i>AWG/ # of Conductors</i>	<i>Nominal Overall Diameter (in [mm])</i>	<i>Outer Jacket Thickness (in [mm])</i>	<i>Ampacity*</i>	<i>Minimum Cut Length (ft)**</i>	<i>Approximate Weight (lb/ft)</i>	<i>Price per foot</i>
<i>H11131202-1</i>	12/2	0.410 [10.41]	0.045 [1.14]	25	20	0.12	\$0.91
<i>H11131203-1</i>	12/3	0.430 [10.92]		25	20	0.15	\$1.28
<i>H11131204-1</i>	12/4	0.470 [11.94]		20	20	0.18	\$1.67
<i>* Per NFPA 70 NEC Table 400.5 (A)(1)</i>							
<i>** See web store for maximum cut lengths</i>							



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10AWG SJOOW Portable Cord

300 Volt

10AWG SJOOW Portable Cord Specifications			
Conductor Gauge	10 AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	105-stranded		2 conductor - Black, White
Voltage Rating	300V		3 conductor - Black, White, Green
Outer Jacket Material	CPE thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black	Temperature Rating	90°C (194°F)
Outer Jacket Thickness	See table below	Applicable Standards	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
Overall Diameter	See table below		
Min. Bend Radius	Flexing: 10x OD, Static: 6x OD		
Operating Temperature	Flexing: -40°C to 90°C (-40°F to 194°F)	Approvals*	UL (E192384), CSA (LL602586)
	Static: -20°C to 90°C (-4°F to 194°F)		
Conductor Insulation	EPDM thermoset rubber	Sample Print Legend	HELUKABEL P/N XXXXXXXX CORD XC 10AWG (XXMM2) SJOOW E192384 (UL) 300V -40C TO 90C -- CSA LL602586 SJOOW 300V -40C TO 90C FT2 SUN & WATER RESISTANT P-07 KA14001 MSHA CE 00574MTR <CH 11 86 PGR1878 FH>
Conductor Nominal Insulation Thickness	0.045 in [1.14 mm]		
Outdoor Rated	Yes		
Sunlight Resistant	Yes		
Flame Retardant	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 www.AutomationDirect.com			

10AWG SJOOW 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
H11131003-1	10/3	0.569 [14.45]	0.060 [1.52]	30	20	0.26	\$2.10
H11131004-1	10/4	0.635 [16.13]		25	20	0.36	\$2.83
* Per NFPA 70 NEC Table 400.5 (A)(1)							
** See web store for maximum cut lengths							



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