

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 SOOW Portable Cord

600 Volt

18AWG SOOW Portable Cord Specifications			
Conductor Gauge	18 AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	16-stranded		2 conductor - Black, White
Voltage Rating	600V		3 conductor - Black, White, Green
Outer Jacket Material	CPE thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black		5 conductor - Black, White, Red, Green, Orange
Outer Jacket Thickness	See table below	Temperature Rating	90°C (194°F)
Overall Diameter	See table below	Applicable Standards	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
Min. Bend Radius	Flexing: 10x OD, Static: 6x OD		
Operating Temperature	Flexing: -40°C to 90°C (-40°F to 194°F)		
	Static: -20°C to 90°C (-4°F to 194°F)		
Conductor Insulation	EPDM thermoset rubber	Approvals*	UL (E192384), CSA (LL602586)
Conductor Nominal Insulation Thickness	0.030 in [0.76 mm]	Sample Print Legend	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>
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 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
H11161802-1	18/2	0.346 [8.79]	0.060 [1.52]	10	20	0.08	\$0.38
H11161803-1	18/3	0.365 [9.27]		10	20	0.09	\$0.51
H11161804-1	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.

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16AWG SOOW Portable Cord

600 Volt

16AWG SOOW Portable Cord Specifications			
Conductor Gauge	16 AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	26-stranded		2 conductor - Black, White
Voltage Rating	600V		3 conductor - Black, White, Green
Outer Jacket Material	CPE thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black		5 conductor - Black, White, Red, Green, Orange
Outer Jacket Thickness	See table below	Temperature Rating	90°C (194°F)
Overall Diameter	See table below	Applicable Standards	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
Min. Bend Radius	Flexing: 10x OD, Static: 6x OD		
Operating Temperature	Flexing: -40°C to 90°C (-40°F to 194°F)		
	Static: -20°C to 90°C (-4°F to 194°F)		
Conductor Insulation	EPDM thermoset rubber	Approvals*	UL (E192384), CSA (LL602586)
Conductor Nominal Insulation Thickness	0.030 in [0.76 mm]	Sample Print Legend	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>
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 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
H11161602-1	16/2	0.370 [9.40]	0.060 [1.52]	13	20	0.09	\$0.49
H11161603-1	16/3	0.390 [9.91]		13	20	0.10	\$0.63
H11161604-1	16/4	0.415 [10.54]		10	20	0.12	\$0.80
H11161605-1	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			
Conductor Gauge	14 AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	41-stranded		2 conductor - Black, White
Voltage Rating	600V		3 conductor - Black, White, Green
Outer Jacket Material	CPE thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black		5 conductor - Black, White, Red, Green, Orange
Outer Jacket Thickness	See table below	Temperature Rating	90°C (194°F)
Overall Diameter	See table below	Applicable Standards	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
Min. Bend Radius	Flexing: 10x OD, Static: 6x OD		
Operating Temperature	Flexing: -40°C to 90°C (-40°F to 194°F)		
	Static: -20°C to 90°C (-4°F to 194°F)		
Conductor Insulation	EPDM thermoset rubber	Approvals*	UL (E192384), CSA (LL602586)
Conductor Nominal Insulation Thickness	0.045 in [1.14 mm]	Sample Print Legend	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>
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 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
H11161402-1	14/2	0.500 [12.70]	0.080 [2.03]	18	20	0.16	\$0.79
H11161403-1	14/3	0.525 [13.34]		18	20	0.19	\$1.05
H11161404-1	14/4	0.570 [14.48]		15	20	0.22	\$1.33
H11161405-1	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)							
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12AWG SOOW Portable Cord

600 Volt

12AWG SOOW Portable Cord Specifications			
Conductor Gauge	12 AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	65-stranded		2 conductor - Black, White
Voltage Rating	600V		3 conductor - Black, White, Green
Outer Jacket Material	CPE thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black		5 conductor - Black, White, Red, Green, Orange
Outer Jacket Thickness	See table below	Temperature Rating	90°C (194°F)
Overall Diameter	See table below	Applicable Standards	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
Min. Bend Radius	Flexing: 10x OD, Static: 6x OD		
Operating Temperature	Flexing: -40°C to 90°C (-40°F to 194°F)		
	Static: -20°C to 90°C (-4°F to 194°F)		
Conductor Insulation	EPDM thermoset rubber	Approvals*	UL (E192384), CSA (LL602586)
Conductor Nominal Insulation Thickness	0.045 in [1.14 mm]	Sample Print Legend	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>
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 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
H11161202-1	12/2	0.570 [14.48]	0.095 [2.41]	25	20	0.22	\$1.13
H11161203-1	12/3	0.595 [15.11]		25	20	0.24	\$1.51
H11161204-1	12/4	0.645 [16.51]		20	20	0.27	\$1.90
H11161205-1	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			
Conductor Gauge	10 AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	105-stranded		2 conductor - Black, White
Voltage Rating	600V		3 conductor - Black, White, Green
Outer Jacket Material	CPE thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black		5 conductor - Black, White, Red, Green, Orange
Outer Jacket Thickness	See table below	Temperature Rating	90°C (194°F)
Overall Diameter	See table below	Applicable Standards	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
Min. Bend Radius	Flexing: 10x OD, Static: 6x OD		
Operating Temperature	Flexing: -40°C to 90°C (-40°F to 194°F)		
	Static: -20°C to 90°C (-4°F to 194°F)		
Conductor Insulation	EPDM thermoset rubber	Approvals*	UL (E192384), CSA (LL602586)
Conductor Nominal Insulation Thickness	0.045 in [1.14 mm]	Sample Print Legend	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>
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 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
H11161002-1	10/2	0.620 [15.75]	0.095 [2.41]	30	20	0.26	\$1.62
H11161003-1	10/3	0.660 [16.76]		30	20	0.32	\$2.23
H11161004-1	10/4	0.710 [18.03]		25	20	0.38	\$2.88
H11161005-1	10/5	0.770 [19.56]		20	20	0.44	\$3.52
* Per NFPA 70 NEC Table 400.5 (A)(1)							
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8AWG SOOW Portable Cord

600 Volt

8AWG SOOW Portable Cord Specifications			
Conductor Gauge	8 AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	168-stranded		2 conductor - Black, White
Voltage Rating	600V		3 conductor - Black, White, Green
Outer Jacket Material	CPE thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black		5 conductor - Black, White, Red, Green, Orange
Outer Jacket Thickness	See table below	Temperature Rating	90°C (194°F)
Overall Diameter	See table below	Applicable Standards	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
Min. Bend Radius	Flexing: 10x OD, Static: 6x OD		
Operating Temperature	Flexing: -40°C to 90°C (-40°F to 194°F)		
	Static: -20°C to 90°C (-4°F to 194°F)		
Conductor Insulation	EPDM thermoset rubber	Approvals*	UL (E192384), CSA (LL602586)
Conductor Nominal Insulation Thickness	0.060 in [1.52 mm]	Sample Print Legend	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>
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			

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
H11160803-1	8/3	0.874 [17.86]	0.110 [2.79]	40	10	0.47	\$3.33
H11160804-1	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			
Conductor Gauge	6 AWG	Conductor Color	Per UL 62 Annex B
Conductor Stranding	266-stranded		2 conductor - Black, White
Voltage Rating	600V		3 conductor - Black, White, Green
Outer Jacket Material	CPE thermoset rubber		4 conductor - Black, White, Red, Green
Outer Jacket Color	Black		5 conductor - Black, White, Red, Green, Orange
Outer Jacket Thickness	See table below	Temperature Rating	90°C (194°F)
Overall Diameter	See table below	Applicable Standards	UL 62 CSA Std. C22.2 No. 49 MSHA Class 1 Div. 2 acc. to NEC Art. 501
Min. Bend Radius	Flexing: 10x OD, Static: 6x OD		
Operating Temperature	Flexing: -40°C to 90°C (-40°F to 194°F)		
	Static: -20°C to 90°C (-4°F to 194°F)		
Conductor Insulation	EPDM thermoset rubber	Approvals*	UL (E192384), CSA (LL602586)
Conductor Nominal Insulation Thickness	0.060 in [1.52 mm]	Sample Print Legend	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>
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			

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
H11160603-1	6/3	0.988 [19.32]	0.125 [3.18]	55	10	0.64	\$4.91
H11160604-1	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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