



Flexible Portable Cord Type SOOW (MSHA)



Overview

Use AutomationDirect's Flexible Portable Cord from Direct Wire for temporary or portable power applications in industrial, OEM, utility, and commercial applications. This portable cord is a great solution for machinery power supplies, pendants, and other applications from the factory floor to mining and heavy construction. Our cord is highly flexible and suitable for harsh conditions, including temperature extremes.

You should feel confident that AutomationDirect's Portable Cord from Direct Wire meets or exceeds all the requirements for NFPA 70 Articles 400 & 501.140 (Haz-Loc) and the Mine Safety and Health Administration.

Features

- 6AWG and 8AWG
- 3 or 4 conductors
- Cut to length in 1-foot increments
- Low 10-foot minimum length
- 600V versions
- Multiple ratings and approvals
- Wide operating temperature range
- CPE thermoset rubber jacket
- Low-smoke, halogen-free EPDM insulation
- Suitable for outdoor use
- Excellent abrasion resistance



Compliant

Portable Cord Letter Codes Definitions:

S = Service cord - 600 Volt

OO = Oil-resistant outer jacket and oil-resistant interior insulation

W = Moisture and sunlight resistant (approved for indoor and outdoor use)

Conductor Colors:

3 Conductor



4 Conductor



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



8AWG SOOW Portable Cord - 600 Volt

8AWG SOOW Portable Cord Specifications			
Conductor Gauge	8AWG	Conductor Color	3 conductor - Black, White, Green
Conductor Stranding	182/30 bare copper		4 conductor - Black, White, Red, Green
Voltage Rating	600V		
Outer Jacket Material	CPE (chlorinated polyethylene elastomers) thermoset rubber	Temperature Rating	-40°C (-40°F) to 90°C (194 °F)
Outer Jacket Color	Black with white print	Applicable Standards*	FT5 Flame Tested
Outer Jacket Thickness	0.060 in [1.52 mm] nominal		NEC (NFPA 70) Article 400
Overall Diameter	See table below		NEC (NFPA 70) 501.140 Class 1 Div 2
Cold Bend	-40°C (-40°F) per UL 1277		MSHA
Minimum Bend Radius	4x diameter		Sample Print Legend
Operating Temperature	-40°C to 90°C (-40°F to 194°F)		
Conductor Insulation	Low-smoke, halogen-free EPDM compound		
Conductor Nominal Insulation Thickness	0.030 in [0.76 mm]		

* 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]	Ampacity*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
<u>SOOW-8-3BK-1</u>	8/3	17.86	40A	10ft	0.314	\$3.42
<u>SOOW-8-4BK-1</u>	8/4	19.56	35A		0.406	\$4.41

* 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.

6AWG SOOW Portable Cord - 600 Volt

6AWG SOOW Portable Cord Specifications			
Conductor Gauge	6AWG	Conductor Color	3 conductor - Black, White, Green
Conductor Stranding	260/30 bare copper		4 conductor - Black, White, Red, Green
Voltage Rating	600V		
Outer Jacket Material	CPE (chlorinated polyethylene elastomers) thermoset rubber	Temperature Rating	-40°C (-40°F) to 90°C (194 °F)
Outer Jacket Color	Black with white print	Applicable Standards	FT5 Flame Tested
Outer Jacket Thickness	0.060 in [1.52 mm] nominal		NEC (NFPA 70) Article 400
Overall Diameter	See table below		NEC (NFPA 70) 501.140 Class 1 Div 2
Cold Bend	-40°C (-40°F) per UL 1277		MSHA
Minimum Bend Radius	4x diameter	Sample Print Legend	Direct Wire [AWG]/[COND] SOOW 600V FT5 -40°C - 90°C P-07-KA190007- MSHA 30-CFR-S-7.407
Operating Temperature	-40°C to 90°C (-40°F to 194°F)		
Conductor Insulation	Low-smoke, halogen-free EPDM compound		
Conductor Nominal Insulation Thickness	0.030 in [0.76 mm]		

* 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]	Ampacity*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
<u>SOOW-6-3BK-1</u>	6/3	19.33	55A	10ft	0.398	\$4.87
<u>SOOW-6-4BK-1</u>	6/4	21.21	45A		0.519	\$6.57

* Per NFPA 70 NEC Table 400.5 (A)(1)
 ** See web store for maximum cut lengths



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