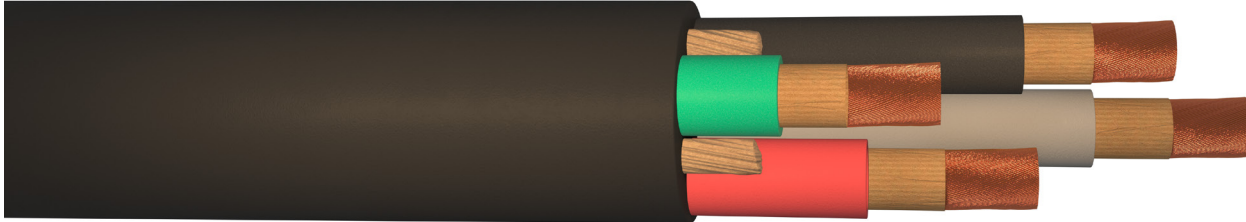


SOOW (MSHA)

MULTI-CONDUCTOR POWER CABLE



Applications

Direct's SOOW (MSHA) is a versatile multi-conductor power cable designed for use in industrial and other demanding applications, including heavy equipment, construction machinery, motors and welding leads, portable lighting, battery chargers, shallow water immersion, and mining environments. SOOW (MSHA) is MSHA compliant, NEC 400 and NFPA 70 permitted, and manufactured in the USA.

Construction

- Rope-lay, bunch-stranded 30 AWG SAE copper conductors
- Internal conductors insulated with proprietary LSHF EPDM compound; color-coded
- Twisted and reinforced with wrapped paper spacers
- Jacketed with proprietary CPE compound

See reverse for construction details and technical specifications

SOOW (MSHA) | MULTI-CONDUCTOR POWER CABLE

| AWG SIZE / # OF COND | COND STRANDS / DIAM (OR) GA | COND WALL THICKNESS (NOM) | | JACKET THICKNESS (NOM) | | OUTSIDE DIAMETER (NOM) | | AMPACITY ¹ | APPROX LBS PER 1K' |
|----------------------|-----------------------------|---------------------------|------|------------------------|------|------------------------|-------|-----------------------|--------------------|
| | | INCHES | MM | INCHES | MM | INCHES | MM | | |
| 8 / 2 | 182 / 30 | 0.050 | 1.27 | 0.060 | 1.52 | 0.644 | 16.36 | 40 A | 238 |
| 8 / 3 | 182 / 30 | 0.050 | 1.27 | 0.060 | 1.52 | 0.703 | 17.86 | 40 A | 314 |
| 8 / 4 | 182 / 30 | 0.050 | 1.27 | 0.060 | 1.52 | 0.770 | 19.56 | 35 A | 406 |
| 6 / 2 | 260 / 30 | 0.050 | 1.27 | 0.060 | 1.52 | 0.694 | 17.63 | 55 A | 289 |
| 6 / 3 | 260 / 30 | 0.050 | 1.27 | 0.060 | 1.52 | 0.761 | 19.33 | 55 A | 398 |
| 6 / 4 | 260 / 30 | 0.050 | 1.27 | 0.060 | 2.03 | 0.835 | 21.21 | 45 A | 519 |
| 4 / 2 | 364 / 30 | 0.050 | 1.27 | 0.080 | 2.03 | 0.790 | 20.07 | 70 A | 378 |
| 4 / 3 | 364 / 30 | 0.050 | 1.27 | 0.080 | 2.03 | 0.838 | 21.29 | 70 A | 515 |
| 4 / 4 | 364 / 30 | 0.050 | 1.27 | 0.080 | 2.03 | 0.922 | 23.42 | 60 A | 665 |
| 2 / 2 | 624 / 30 | 0.050 | 1.27 | 0.080 | 2.03 | 0.954 | 24.23 | 95 A | 583 |
| 2 / 3 | 624 / 30 | 0.050 | 1.27 | 0.080 | 2.03 | 1.015 | 25.78 | 95 A | 813 |
| 2 / 4 | 624 / 30 | 0.050 | 1.27 | 0.080 | 2.03 | 1.121 | 28.47 | 80 A | 1,052 |

¹Allowable ampacity per NFPA 70 / NEC Article 400. Values are based on ambient temperature of 30°C.

All data and specifications contained herein are current and subject to change without notification. All values are nominal and/or approximate and may vary.



SOOW (MSHA) MULTI-CONDUCTOR POWER CABLE

TECHNICAL SPECIFICATIONS

Construction

- | | |
|---------------------|---|
| Conductors | <ul style="list-style-type: none">Rope-lay, bunch-stranded 30 AWG SAE copper conductors |
| Voltage Rating | <ul style="list-style-type: none">600 V |
| Insulation & Jacket | <ul style="list-style-type: none">Internal conductors insulated with proprietary low-smoke, halogen-free EPDM compound; color-codedTwisted and reinforced with wrapped paper spacersJacketed with proprietary CPE compoundInsulation resistant to abrasion, battery acid, diesel fuel, engine coolant, engine oil, ethanol, extreme temperatures, flame, gasoline, power-steering fluid, and transmission fluidJacket resistant to abrasion, crushing force, extreme temperatures, flame, impact, oil, sunlight, and water60°C (140°F) oil resistant temperature rating (CPE compound)UL tested 720 hours sunlight resistance rating (CPE compound) |
| Temperature Range | <ul style="list-style-type: none">-40°C (-40°F) to 90°C (194°F) |
-

Standards & Certifications

- | | |
|--------------------|--|
| Industry Approvals | <ul style="list-style-type: none">MSHA CompliantNEC Article 400 PermittedNFPA 70 Permitted30 CFR Subpart KFT-5 Flame TestedREACH, RoHS, CMRT, and Prop 65 Compliant |
|--------------------|--|
-

Standard Stock

- | | |
|-------------------|--|
| Available Lengths | <ul style="list-style-type: none">Coils/Assemblies at 25', 50', 100'Reels at 250', 500', 1,000', and 2,500'Custom lengths available upon request |
|-------------------|--|
-

Customization

- | | |
|-----------------|--|
| Jacket Colors | <ul style="list-style-type: none">● Black (standard) |
| Marking Options | <ul style="list-style-type: none">Quick Print®; Surface Print; Indent Print; Logo/Icon; Sequential Marking |
-

