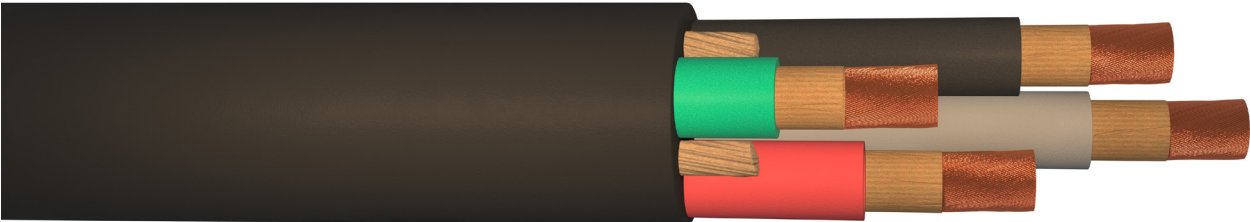


# DURA-FLEX® TYPE W

## MULTI-CONDUCTOR POWER CABLE



### Applications

Direct's Dura-Flex® Type W is an industrial grade, portable power cable primarily used for permanent or temporary power supply. Featuring 2, 3, and 4 multi-conductor configurations with uniquely colored conductors and a round profile with a bound core, this cable ensures both durability and flexibility in various applications. Durable and versatile, the cable is also commonly deployed for heavy-use applications, including rental, mining, A/C systems, motor battery leads . Dura-Flex® is UL listed, and manufactured in the USA.

### Construction

- Rope-lay, bunch-stranded 30 AWG 99.99% oxygen-free electronic (OFE) high-purity copper conductor; bare ASTM Class K OFE copper
- Separators: paper (conductor) and mesh (insulation)
- Insulated with EPDM compound
- Jacketed with proprietary CPE compound
- UL 44, 1650, and 2556

[See reverse for construction details and technical specifications](#)

| TYPE W   MULTI-CONDUCTOR POWER CABLE |                             |                           |      |                        |      |                        |       |                  |                    |
|--------------------------------------|-----------------------------|---------------------------|------|------------------------|------|------------------------|-------|------------------|--------------------|
| AWG SIZE / # OF COND                 | COND STRANDS / DIAM (OR) GA | COND WALL THICKNESS (NOM) |      | JACKET THICKNESS (NOM) |      | OUTSIDE DIAMETER (NOM) |       | AMPACITY¹ (amps) | APPROX LBS PER 1K' |
|                                      |                             | INCHES                    | MM   | INCHES                 | MM   | INCHES                 | MM    |                  |                    |
| 8 / 2                                | 182 / 30                    | 0.060                     | 1.52 | 0.109                  | 2.77 | 0.778                  | 19.76 | 74               | 349                |
| 8 / 3                                | 182 / 30                    | 0.060                     | 1.52 | 0.141                  | 3.58 | 0.886                  | 22.50 | 65               | 514                |
| 8 / 4                                | 182 / 30                    | 0.060                     | 1.52 | 0.141                  | 3.58 | 0.959                  | 24.36 | 64               | 635                |
| 6 / 2                                | 273 / 30                    | 0.060                     | 1.52 | 0.109                  | 2.77 | 0.868                  | 22.05 | 99               | 457                |
| 6 / 3                                | 273 / 30                    | 0.060                     | 1.52 | 0.141                  | 3.58 | 0.983                  | 24.97 | 87               | 645                |
| 6 / 4                                | 273 / 30                    | 0.060                     | 1.52 | 0.141                  | 3.58 | 1.067                  | 27.10 | 84               | 803                |
| 4 / 2                                | 429 / 30                    | 0.060                     | 1.52 | 0.109                  | 2.77 | 0.938                  | 23.83 | 130              | 583                |
| 4 / 3                                | 429 / 30                    | 0.060                     | 1.52 | 0.125                  | 3.18 | 1.026                  | 26.06 | 114              | 794                |
| 4 / 4                                | 429 / 30                    | 0.060                     | 1.52 | 0.125                  | 3.18 | 1.120                  | 28.45 | 112              | 1006               |
| 2 / 2                                | 676 / 30                    | 0.060                     | 1.52 | 0.141                  | 3.58 | 1.140                  | 28.96 | 174              | 909                |
| 2 / 3                                | 676 / 30                    | 0.060                     | 1.52 | 0.141                  | 3.58 | 1.207                  | 30.66 | 152              | 1,215              |
| 2 / 4                                | 676 / 30                    | 0.060                     | 1.52 | 0.125                  | 3.18 | 1.287                  | 32.69 | 152              | 1,476              |

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.



# DURAFLEX® TYPE W MULTI-CONDUCTOR POWER CABLE

## TECHNICAL SPECIFICATIONS

### Construction

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conductors          | <ul style="list-style-type: none"><li>Rope-lay, bunch-stranded 30 AWG 99.99% oxygen-free electronic (OFE) high-purity copper conductor; bare ASTM Class K OFE copper</li></ul>                                                                                                                                                                                                                                                                                                    |
| Voltage Rating      | <ul style="list-style-type: none"><li>600 V; 2,000 V</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Insulation & Jacket | <ul style="list-style-type: none"><li>Separators: Paper insulation &amp; mesh jacket</li><li>Filler Type: twisted paper</li><li>Insulated with low-smoke, halogen-free EPDM compound</li><li>Jacketed with proprietary CPE compound</li><li>Resistant to abrasion, crushing force, extreme temperatures, flame, impact, oil, sunlight, and water</li><li>UL tested 60°C (140°F) oil resistant temperature rating</li><li>UL tested 720 hours sunlight resistance rating</li></ul> |
| Temperature Range   | <ul style="list-style-type: none"><li>-40°C (-40°F) to 90°C (194°F) Dry; 90°C (194°F) Wet</li></ul>                                                                                                                                                                                                                                                                                                                                                                               |

### Standards & Certifications

|                    |                                                                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Industry Approvals | <ul style="list-style-type: none"><li>UL 44, 1650, and 2556</li><li>ASTM B3, B49, and B172</li><li>MSHA Approved</li><li>FT-1, FT-2, FT-5</li></ul> |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

### Standard Stock

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

### Customization

|                 |                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------|
| Jacket Colors   | <ul style="list-style-type: none"><li>● Black (standard) ● Blue ● Brown ● Green ● Orange ● Red ○ White ● Yellow</li></ul> |
| Marking Options | <ul style="list-style-type: none"><li>Surface Print; Indent Print; Sequential Marking; Color Stripe</li></ul>             |

