



Product: [8454](#)

Portable Cordage, 4 C #18 Str TC, EPDM Ins, Rubber Jkt, UL AWM 4097

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Product Description

Portable Cordage, 4 Conductor 18AWG (41x34) Tinned Copper, EPDM Insulation, Rubber Outer Jacket, UL AWM 4097

Technical Specifications

Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | Junior light-duty vacuum cord(300V), Other light-duty equipments |
|------------------------|--|

Construction Details

Conductor

| Element      | No. of Elements | Size   | Stranding | Material           |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 4               | 18 AWG | 41x34     | TC - Tinned Copper |

Insulation

| Element      | Material                                | Nom. Thickness     | Nom. Insulation Diameter | Color Code               |
|--------------|---|--------------------|--------------------------|--------------------------|
| Conductor(s) | EPDM - Ethylene Propylene Diene Monomer | 0.018 in (0.46 mm) | 0.083 in (2.1 mm)        | Black, White, Brown, Red |

Outer Jacket

| Separator  | Material                       | Nom. Thickness     | Nom. Diameter      |
|------------|--------------------------------|--------------------|--------------------|
| Paper Tape | SBR - Styrene Butadiene Rubber | 0.036 in (0.91 mm) | 0.265 in (6.73 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.265 in (6.73 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element      | Nom. Conductor DCR | Max. Current                                       |
|--------------|--------------------|--|
| Conductor(s) | 7.3 Ohm/1000ft     | 8 Amps per Conductor at 25°C (5.6 Amps over 50 ft) |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V             |

|              |  |
|--------------|--|
| Table Notes: | Dielectric Withstand Voltage: 1500 V AC Applied for 1 Min. |
|--------------|--|

Mechanical Characteristics

Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 60°C           | -40°C to +60°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.7 in (69 mm)  | 2.7 in (69 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 82 lbs (37 kg) |
| Bulk Cable Weight: | 50 lbs/1000ft  |

Standards and Compliance

|                                |   |
|--------------------------------|---|
| Environmental Suitability:     | Indoor  |
| NEC / UL Compliance:           | Article 400   |
| AWM Compliance:                | AWM 4097  |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:               | China RoHS II (GB/T 26572-2011)   |

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.513 Revision Date: 02-03-2025 |
|----------------------|--|

Part Numbers

Variants

| Item #        | Color | Putup Type | Length   | UPC          | Footnote |
|---------------|-------|------------|----------|--------------|----------|
| 8454 010100   | Black | Reel       | 100 ft   | 612825207856 |          |
| 8454 010500   | Black | Reel       | 500 ft   | 612825207870 | C        |
| 8454 010U500  | Black | Reel       | 500 ft   | 612825207849 |          |
| 8454 0101000  | Black | Reel       | 1,000 ft | 612825207863 | C        |
| 8454 010U1000 | Black | Reel       | 1,000 ft | 612825207832 |          |

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