



Product: [8453](#)

Portable Cordage, 3 C #18 Str TC, EPDM Ins, Rubber Jkt, UL Type SV

[Request Sample](#)

Product Description

Portable Cordage, 3 Conductor 18AWG (41x34) Tinned Copper, EPDM Insulation, Rubber Outer Jacket, UL Type SV

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) | 3               | 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, Green |

Outer Jacket

| Separator    | Material                       | Nom. Thickness     | Nom. Diameter      |
|--------------|--------------------------------|--------------------|--------------------|
| Cotton Serve | SBR - Styrene Butadiene Rubber | 0.036 in (0.91 mm) | 0.256 in (6.50 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.256 in (6.50 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element      | Nom. Conductor DCR | Max. Current                                      |
|--------------|--------------------|---------------------------------------------------|
| Conductor(s) | 7.3 Ohm/1000ft     | 10 Amps per Conductor at 25°C (7 Amps over 50 ft) |
|              |                    | 7 Amps per conductor @ 25°C over 50 ft.           |

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.6 in (66 mm)  | 2.6 in (66 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 62 lbs (28 kg) |
| Bulk Cable Weight: | 42 lbs/1000ft  |

Standards and Compliance

|                                |                                                                              |
|--------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:     | Indoor (Not Riser or Plenum), Indoor                                         |
| NEC / UL Compliance:           | Article 400, SV                                                              |
| AWM Compliance:                | SV                                                                           |
| CEC / C(UL) Compliance:        | LL7874                                                                       |
| European Directive Compliance: | EU CE Mark, 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: 0.517 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #      | Color | Putup Type | Length | UPC          | Footnote |
|-------------|-------|------------|--------|--------------|----------|
| 8453 010100 | Black | Reel       | 100 ft | 612825207818 |          |
| 8453 010500 | Black | Reel       | 500 ft | 612825207825 | C        |

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