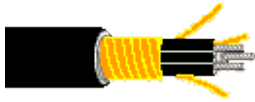


## 29528 Multi-Conductor - 1000V UL Flexible Motor Supply Cable

For more Information  
please call

1-800-Belden1



### Description:

3 stranded tinned copper circuit conductors plus (3) symmetrical bare copper ground wires, XLPE insulation, two spiral copper tape shields (100% Coverage), sun- and oil-resistant PVC jacket.

### Usage (Overall)

**Suitable Applications:** AC Motor Drives, VFD, Variable Frequency Drive

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Conductors	AWG	Stranding	Conductor Material
3	1	7x19x22	TC - Tinned Copper

#### Ground Wire

**Ground Wire (Y/N):** Y

**Ground Wire AWG:** 6

**Ground Wire Stranding:** 7x19x27

**Ground Wire Conductor Material:** BC - Bare Copper

#### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (in.)
XLPE - Cross Linked Polyethylene	.057

#### Outer Shield

**Outer Shield Material:**

Layer #	Type	Outer Shield Material	Coverage (%)
1	Tape	Spiral Copper	100
2	Tape	Spiral Copper	100

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

**Overall Nominal Diameter:** 1.200 in.

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -40°C To +90°C Dry, +90°C Wet

**UL Temperature Rating:** 90°C Wet/Dry

**Bulk Cable Weight:** 1439 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 2650 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 12 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

## 29528 Multi-Conductor - 1000V UL Flexible Motor Supply Cable

<b>NEC Articles:</b>	336 - ER
<b>CSA Specification:</b>	600 V AWM I/II A/B
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	11/09/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>PMSHA Specification:</b>	P07-KA070003
<b>Other Specification:</b>	1000V UL Flexible Motor Supply Cable

### Flame Test

<b>UL Flame Test:</b>	UL1685 UL Loading
<b>CSA Flame Test:</b>	FT4
<b>IEEE Flame Test:</b>	1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU)

### Suitability

<b>Suitability - Indoor:</b>	Yes
<b>Suitability - Outdoor:</b>	Yes
<b>Suitability - Burial:</b>	Yes
<b>Sunlight Resistance:</b>	Yes
<b>Oil Resistance:</b>	Yes

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/ft)

.146

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

44

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

79

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

0.13

#### Max. Operating Voltage - UL:

Voltage

1000 V RMS (Flexible Motor Supply Cable)

600 V RMS (NEC Type TC)

#### Max. Recommended Current:

Current

150 Amps per conductor @ 30°C (per NEC)

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

## 29528 Multi-Conductor - 1000V UL Flexible Motor Supply Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
29528 0101000	1,000 FT	1,642.000 LB	BLACK	C 9	3C1 133STC VFD 600V
29528 010250	250 FT	398.750 LB	BLACK	C 9	3C1 133STC VFD 600V
29528 0103000	3,000 FT	4,758.000 LB	BLACK	C Z	3C1 133STC VFD 600V
29528 010500	500 FT	813.500 LB	BLACK	C 9	3C1 133STC VFD 600V

**Notes:**

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

9 = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 5% FROM LENGTH SHOWN.

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