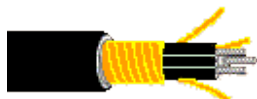


## 29544 Multi-Conductor - 2000V UL Flexible Motor Supply Cable



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	1/0	7x19x21	TC - Tinned Copper

#### Ground Wire

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

**Ground Wire AWG:** 4

**Ground Wire Stranding:** 7x19x25

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

#### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (in.)
XLPE - Cross Linked Polyethylene	0.090

#### 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:** 1.450 in.

### Mechanical Characteristics (Overall)

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

**Bulk Cable Weight:** 1843 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 3537 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 14.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

**NEC Articles:** 336 - ER

## 29544 Multi-Conductor - 2000V UL Flexible Motor Supply Cable

CSA Specification:	600 V AWM I/II A/B
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	11/03/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
PMSHA Specification:	P-07-KA070003
Other Specification:	2000V UL Flexible Motor Supply Cable

### Flame Test

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

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Sunlight Resistance:	Yes
Oil Resistance:	Yes

### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

50.000

#### Nom. Inductance:

Inductance (µH/ft)

.143

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

47.000

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

Capacitance (pF/ft)

85.000

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

0.10

#### Max. Operating Voltage - UL:

Voltage

2000 V RMS (Flexible Motor Supply Cable)

2000 V RMS (NEC Type TC)

#### Max. Recommended Current:

Current

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

## 29544 Multi-Conductor - 2000V UL Flexible Motor Supply Cable

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
29544 0101000	1,000 FT	2,056.000 LB	BLACK		3C1/0 133STC VFD 2000V
29544 0102000	2,000 FT	4,334.000 LB	BLACK		3C1/0 133STC VFD 2000V

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