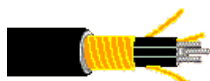


## 29529 Multi-Conductor - 1000V UL Flexible Motor Supply Cable



For more Information  
please call

1-800-Belden1

**General Description:**

3 stranded tinned copper circuit conductors plus (3) symmetrical bare copper ground wires, XLP 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

Total Number of Conductors: 3

**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.)
XLP - Cross Linked Polyolefin	0.055

Insulation Color Code Chart:

Number	Color
1	Black and Numbered 1
2	Black and Numbered 2
3	Black and Numbered 3

**Outer Shield**

Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)	Description
1	Tape	Spiral Copper	100.000	.002"
2	Tape	Spiral Copper	100.000	.002"

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.083

**Overall Cable**

Overall Nominal Diameter: 1.290 in.

**Mechanical Characteristics (Overall)**

Wet Temperature Range: -40°C To +90°C

Dry Temperature Range: -40°C To +90°C

Bulk Cable Weight: 1843 lbs/1000 ft.

Max. Recommended Pulling Tension: 2010 lbs.

Min. Bend Radius/Minor Axis: 12.900 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: TC-ER, WTTC, XHHW-2 Singles

NEC Articles: 336 - ER

## 29529 Multi-Conductor - 1000V UL Flexible Motor Supply Cable

CEC/C(UL) Specification:	600V Type RW90 TC
CSA Specification:	1000 V AWM I/II A/B
EU Directive 2011/65/EU (ROHS II):	Yes
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:	1000V 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

## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (µH/ft)
.143

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
45

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

Capacitance (pF/ft)
81

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
0.10

## Max. Operating Voltage - UL:

Voltage
1000 V RMS (Flexible Motor Supply Cable)
600 V RMS (NEC Type TC)

## Max. Operating Voltage - Other:

Voltage	Description
1000 V RMS	CSA AWM I/II A/B

## Max. Recommended Current:

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

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
29529 0101000	1,000 FT	1,940.000 LB	BLACK	C 9	3C1/0 133STR VFD 600V
29529 0102000	2,000 FT	3,822.000 LB	BLACK	C Z	3C1/0 133STR VFD 600V
29529 0102500	250 FT	537.000 LB	BLACK	C 9	3 #1/0 XLPE + 3 #4 GRD PVC
29529 0102500	2,500 FT	4,955.000 LB	BLACK	C Z	3C1/0 133STR VFD 600V
29529 010500	500 FT	1,004.000 LB	BLACK	C 9	3C1/0 133STR VFD 600V

## Notes:

## ENGLISH MEASUREMENT VERSION

### 29529 Multi-Conductor - 1000V UL Flexible Motor Supply Cable

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.

Revision Number: 4    Revision Date: 08-20-2013

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