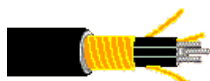


## 29528 Multi-Conductor - 1000V UL Flexible Motor Supply Cable



For more Information  
please call

1-800-Belden1

**General Description:**

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

Total Number of Conductors: 3

**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	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.083

**Overall Cable**

Overall Nominal Diameter: 1.200 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -40°C To +90°C

UL Temperature Rating: 90°C Wet/Dry

Bulk Cable Weight: 1439 lbs/1000 ft.

Max. Recommended Pulling Tension: 2650 lbs.

Min. Bend Radius/Minor Axis: 12 in.

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

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

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

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

EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	11/09/2005
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:	P07-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)
.146

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
44

## Nom. Capacitance Cond. to Other Conductor &amp; 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)

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
29528 0101000	1,000 FT	1,529.000 LB	BLACK	C 9	3 #1 XLPE + 3 #6 CU TAPE PVC
29528 010250	250 FT	405.750 LB	BLACK	C 9	3 #1 XLPE + 3 #6 CU TAPE PVC
29528 0103000	3,000 FT	4,710.000 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.

Revision Number: 3 Revision Date: 08-20-2013

© 2015 Belden, Inc.  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities

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

and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.