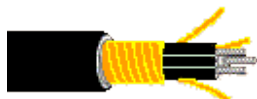


29529 Multi-Conductor - 1000V UL Flexible Motor Supply Cable



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	1/0	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	.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: 1.290 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:	1843 lbs/1000 ft.
Max. Recommended Pulling Tension:	3537 lbs.
Min. Bend Radius (Install)/Minor Axis:	12.900 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

NEC Articles:	336 - ER
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:	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 & 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. Recommended Current:

Current

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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

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

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	3,808.000 LB	BLACK	C Z	3C1/0 133STR VFD 600V
29529 0102500	250 FT	525.750 LB	BLACK	C 9	3C1/0 133STR VFD 600V
29529 0102500	500 FT	1,012.000 LB	BLACK	C Z	3C1/0 133STR VFD 600V
29529 0105000	500 FT	1,039.500 LB	BLACK	C 9	3C1/0 133STR 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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