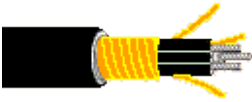


29531C Multi-Conductor - 600V VFD

For more Information
please call

1-800-Belden1

**Description:**

3 - 3/0 AWG stranded (19x11) bare tinned copper circuit conductors plus (3) 8 AWG stranded (7x16) 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	3/0	19x11	BC - Bare Copper

Ground Wire

Ground Wire (Y/N):	Y
Ground Wire AWG:	8
Ground Wire Stranding:	7x16
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: 1.419 in.

Mechanical Characteristics (Overall)

UL Temperature Rating:	90°C Wet/Dry
Bulk Cable Weight:	2150 lbs/1000 ft.
Max. Recommended Pulling Tension:	5025 lbs.
Min. Bend Radius (Install)/Minor Axis:	14.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC Articles:	336 - ER
CSA Specification:	1000 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):	11/09/2005
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

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. Inductance:**

Inductance (μH/ft)
.138

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
48

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
86

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
.063

Max. Operating Voltage - UL:

Voltage
600 V RMS (NEC Type TC)

Max. Recommended Current:

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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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29531C Multi-Conductor - 600V VFD

29531C 0101000	1,000 FT	2,301.000 LB	BLACK		3C3/0 BELDEN BASICS VFD 600V
29531C 0102000	2,000 FT	4,772.000 LB	BLACK		3C3/0 BELDEN BASICS VFD 600V

Revision Number: 2 Revision Date: 10-04-2010

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