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1-800-Belden1



### Description:

3 - 4/0 AWG stranded (19x10) bare 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	4/0	19x10	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:** 1.537 in.

### Mechanical Characteristics (Overall)

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

**Bulk Cable Weight:** 2599 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 6670 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 15.500 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)

.136

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

50

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

Capacitance (pF/ft)

90

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

.050

#### Max. Operating Voltage - UL:

Voltage

1000 V RMS (Flexible Motor Supply Cable)

600 V RMS (NEC Type TC)

#### Max. Recommended Current:

Current

260 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
29532C 0101500	1,500 FT	4,149.000 LB	BLACK		3C4/0 BELDEN BASICS VFD 600V
29532C 010500	500 FT	1,420.500 LB	BLACK		3C4/0 BELDEN BASICS VFD 600V

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