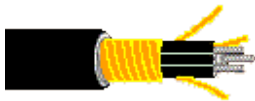


For more Information  
please call

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

<b>Ground Wire (Y/N):</b>	Y
<b>Ground Wire AWG:</b>	8
<b>Ground Wire Stranding:</b>	7x16
<b>Ground Wire Conductor Material:</b>	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)

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

## 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
--------	-------	-------------	-------	-------	-----------

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

© 2012 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 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.