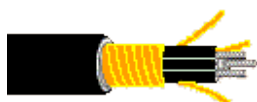


29528C Multi-Conductor - 600V VFD



For more Information
please call

1-800-Belden1

**Description:**

3 - 1 AWG stranded (19x14) bare copper circuit conductors plus (3) - 10 AWG stranded (7x18) 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	19x14	BC - Bare Copper

Ground Wire

Ground Wire (Y/N):	Y
Ground Wire AWG:	10
Ground Wire Stranding:	7x18
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: 1.128 in.

Mechanical Characteristics (Overall)

UL Temperature Rating:	90°C Wet/Dry
Bulk Cable Weight:	1193 lbs/1000 ft.
Max. Recommended Pulling Tension:	2650 lbs.
Min. Bend Radius (Install)/Minor Axis:	11.500 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)

.146

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

44

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

79

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

0.13

Max. Operating Voltage - UL:

Voltage

600 V RMS (NEC Type TC)

Max. Operating Voltage - Other:

Voltage	Description
1000 V RMS	CSA AWM I/II A/B

Max. Recommended Current:

Current

150 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
29528C 0101000	1,000 FT	1,314.000 LB	BLACK		3C1 BELDEN BASICS VFD 600V
29528C 0103000	3,000 FT	4,050.000 LB	BLACK		3C1 BELDEN BASICS VFD 600V

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