



For more Information
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1-800-Belden1



General Description:

2/0 AWG - 3 stranded (19x12) bare copper circuit conductors plus (3) 10 AWG stranded (7x28) 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	2/0	19x12	BC - Bare Copper

Total Number of Conductors: 3

Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 10 (x3)

Ground Wire Stranding: 7x18

Ground Wire Conductor Material: BC - Bare Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
XLPE - Cross Linked Polyethylene	2.083

Insulation Color Code Chart:

Number	Color
1	Black and Numbered 1
2	Black and Numbered 2
3	Black and Numbered 3

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: 36.779 mm

Mechanical Characteristics (Overall)

Non-UL Temperature Rating: 90°C Wet/Dry

29559C Multi-Conductor - 1000V CSA VFD

Bulk Cable Weight:	2580.539 Kg/Km
Max. Recommended Pulling Tension:	18682.440 N
Min. Bend Radius/Minor Axis:	336.550 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

CSA Specification:	C22.2 #230 Type TC, C22.2#0.3 Clause 4.3 Low Acid Test, C22.2 #38 1000V RW90, FT4
EU Directive 2011/65/EU (ROHS II):	Yes
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

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 - Aerial:	No
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/m)
0.462621

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
150.926

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
272.323

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
0.259199

Max. Operating Voltage - Other:

Voltage	Description
1000 V RMS	CSA TYPE TC

Max. Recommended Current:

Current

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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