



Product: [1229530](#)

VFD 100% Gnd, 3C #2/0 Str TC XLPE Ins + #2/0 Symm. Seg. Gnd (3 of #4+) Str BC, CTS, PVC Jkt, AIA Armor, Blk PVC Jkt, 600V MC 90C Dry/Wet

Product Description

Belden 100% Ground Flexible VFD, 3 Conductor 2/0AWG (7x19x20) Tinned Copper XLPE Insulation M4 Color Code + 2/0AWG Symmetrical Segmented Ground (3 of 4AWG+) Bare Copper Stranded, Overall Dual Copper Tapes Helically Applied Shield, PVC Inner Jacket, Aluminum Interlock Armor, Black PVC Outer Jacket, 600V MC 90C Dry/Wet SUN RES DIR BUR CT USE Oil Resistant

Technical Specifications

Product Overview

Suitable Applications:	Variable Frequency Drives (VFD); AC Motor and Drive Systems; Exposure to rodents, crush or impact forces
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Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material	Notes
Conductor(s)	3	2/0	7x19x20	TC - Tinned Copper	
Ground	3	4	7x19x25	BC - Bare Copper	Segmented Grounds

Insulation

Element	Material	Thickness	Color Code
Conductor(s)	XLPE - Cross-Linked Polyethylene (Thermoset)	0.057 in	Black and Numbered
Ground	No Insulation		

Outer Shield Material

Shield Type	Material	Coverage
Helical Tape + Helical Tape	Bare Copper (BC) + Bare Copper (BC)	100% + 100%

Inner Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	1.368 in.

Armor

Armor Type & Material
AIA - Aluminum Interlock Armor

Outer Jacket Material

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in	1.745 in	Yes

Cable Diameter (Nominal):	1.745 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Conductor(s)	0.1 Ohm/1000ft	45 pF/ft	81 pF/ft	41 Ohm	0.55%	195 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
600 V (MC)

Mechanical Characteristics

Temperature

UL Rating	Operating
90°C Dry, 90°C Wet	-25°C To +90°C

Bend Radius

Installation Min.
20.9 in

Max. Pull Tension:	6543 lbs
Bulk Cable Weight:	2561 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Oil Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	1202, 383 Vertical Tray Flame Test (70,000 BTU)
NEC / UL Compliance:	Article 336, MC, XHHW-2
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.54 Revision Date: 09-30-2020
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