

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

Belden 100% Ground Flexible VFD, 3 Conductor 4/0AWG (7x19x18) Tinned Copper XLPE Insulation M4 Color Code + 4/0AWG Symmetrical Segmented Ground (3 of 2AWG) 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

## Product Overview

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

Element	Number of Element	AWG	Stranding	Material	Notes
Conductor(s)	3	4/0	7x19x18	TC - Tinned Copper	
Ground	3	2	7x19x23	BC - Bare Copper	Segmented Grounds

## Insulation

Element	Material	Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLPE - Cross-Linked Polyethylene (Thermoset)	0.057 in	0.684	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	1.652 in

## Armor

Armor Type & Material
AIA - Aluminum Interlock Armor

### Outer Jacket Material

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.065 in	2.079 in	Yes

Cable Diameter (Nominal):	2.079 in
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## 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)	0.988 Ohm/1000ft	29 pF/ft	53 pF/ft	63 Ohm	0.55%	260 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.
24.9 in

Max. Pull Tension:	10294 lbs
Bulk Cable Weight:	3912 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Oil Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL 1685 UL Loading, FT4, 1202, 383 Vertical Tray Flame Test (70,000 BTU)
NEC / UL Compliance:	Article 336, MC, XHHW-2
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.57 Revision Date: 09-30-2020
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