

Product: 29554C

VFD, 3C #6 Str BC XLPO Ins + #6 Symm. Seg. Gnd (3 of #12) Str BC, CTS, Blk PVC Jkt, 1000V CSA TC C22.2 #230 C22.2 #38

Request Sample

Product Description

Belden Basics CSA VFD, 3 Conductor 6AWG (7x14) Bare Copper XLPO Insulation M4 Color Code + 6AWG Symmetrical Segmented Ground (3 of 12AWG) Bare Copper Stranded, Overall Dual Copper Tapes Helically Applied Shield, Black PVC Outer Jacket, 1000V CSA TC C22.2 #230 C22.2 #38 SUN RES DIR BUR Oil Resistance

Technical Specifications

Product Overview

Suitable Applications:	AC Motor drives, VFD, Variable Frequency drives

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
	6	7x14	BC - Bare Copper	3
Ground Wire	12	7x20	BC - Bare Copper	3

Conductor Count:	3

Insulation

Material	Nominal Wall Thickness
XLPE - Cross Linked Polyethylene	0.0615 in

Color Chart

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

Outer Shield Material

Type	Layer	Material	Coverage [%]
Tape	1	Spiral Copper	100 %
Tape	2	Spiral Copper	100 %

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.823 in	0.073 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
0.41 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Per NEC	75 Amps per conductor @ 25°C

Voltage

Description	Voltage Rating [V]
CSA TYPE TC	1000 V RMS

Temperature Range

Non-UL Temp Rating:	Wet/Dry 90°C
Operating Temp Range:	-40°C To 90°C

Mechanical Characteristics

Oil Resistance:	Yes
Bulk Cable Weight:	468 lbs/1000ft
Max Recommended Pulling Tension:	915 lbs
Min Bend Radius/Minor Axis:	7.3 in

Standards

NEC Articles:	336
NEC/(UL) Specification:	N/A

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2007-08-17
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Oil Resistance:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

CSA Flammability:	FT4
IEEE Flammability:	1202, 383
UL voltage rating:	N/A

Plenum/Non-Plenum

Plenum (Y/N):	No

History

Update and Revision:	Revision Number: 0.188 Revision Date: 09-10-2019

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