

**Part Number: 29553C**



VFD, 3+3G(Segmented) C #8+3 of #14 Str BC, XLPO Ins M4, CTS, Blk PVC Jkt, 1000V CSA TC C22.2 #230 C22.2 #38

[Request Sample](#)

**Product Description**

Belden Construction Grade VFD Cables with Dual Copper Tape Shield, 3+3G(Segmented) Conductor 8+3 of 14AWG (7x16) Bare Copper, XLPO Insulation M4 Color Code, Overall Dual Copper Tapes Helically Applied Shield, Black PVC Outer Jacket, 1000V CSA TC C22.2 #230 C22.2 #38 SUN RES OIL RES DIR BUR

**Technical Specifications**

**Product Overview**

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

**Physical Characteristics (Overall)**

**Conductor**

Element	AWG	Stranding	Material	No. of Conductors
	8	7x16	BC - Bare Copper	3
Ground Wire	14	7x22	BC - Bare Copper	3

Conductor Count:	3
Conductor Size:	8 AWG

**Insulation**

Material	Nominal Wall Thickness
XLPE - Cross Linked Polyethylene	0.047 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	0.681 in	0.073 in

**Electrical Characteristics**

**Conductor DCR**

<b>Nominal Conductor DCR</b>
0.64 Ohm/1000ft

**Current**

<b>Max. Recommended Current [A]</b>
55 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:	340 lbs/1000ft
Max Recommended Pulling Tension:	576 lbs
Min Bend Radius/Minor Axis:	6.5 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
---------------	----

© 2019 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.