Part Number: 29552C



VFD, 3+3G(Segmented) C #12+3 of #16 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 12+3 of 16AWG (7x20) 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
	10	7x18	BC - Bare Copper	3
Ground Wire	14	7x22	BC - Bare Copper	3

Conductor Count:	3
Conductor Size:	10 AWG

Insulation

Material	Nominal Wall Thickness
XLPE - Cross Linked Polyethylene	0.045 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	0.615 in	0.073 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
0.988 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Per NEC	40 Amps per conductor @ 30°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:	238 lbs/1000ft
Max Recommended Pulling Tension:	444 lbs
Min Bend Radius/Minor Axis:	5.1 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):	2007-08-15
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

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