



Part Number: 29558C

1000V CSA VFD, (3) 1/0 AWG (19x13) BC+Grd, XLPE/PVC, Foil Shld, FT4

Product Description

Three 1/0 AWG stranded (19x13) bare copper circuit conductors plus three symmetrical ground wires, cross-linked polyethylene insulation, two spiral copper tape shields (100% Coverage), PVC jacket.

Product Specifications

Technical Specifications

Suitable Applications:	AC Motor drives, VFD, Variable Frequency drives
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Construction and Dimensions

Conductor:

Element	AWG	Stranding	Material	No. of Conductors
	36526	19x13	BC - Bare Copper	3
Ground Wire	10 (x3)	7x18	BC - Bare Copper	

Total Number of Conductors:	3
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Insulation:

Material	Nominal Wall Thickness
XLPE - Cross Linked Polyethylene	0.057 in

Stranding:

Lay Length
Y mm

Outershield 1:

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

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	1.214 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
0.1 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
45 pF/ft	81 pF/ft

Current:

Max. Recommended Current [A]
170 Amps per conductor @ 30°C (per NEC)

Inductance:

Nominal Inductance
0.143 μ H/ft

Voltage:

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

Use

Suitability - Oil Resistance:	Yes
Suitability - Aerial:	No
Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	3537 lbs

Safety

CSA Flammability:	FT4
IEEE Flammability:	1202

Temperature Range

Non-UL Temp Rating:	90°C Wet/Dry
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Mechanical Characteristics

Min Bend Radius/Minor Axis:	12.25 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CSA AWM Specification:	CSA Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

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