



SPECIFICATION SHEET

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www.electrocables.com QMS Registered to ISO 9001

Date: 21-Oct-25

Product Number:

82114BB-VFD-PV4

CSA RW90 ELECTRO-DRIVE TC Power 1000V XLPE PVC AG14 FT4 -40°C

3/C 14 AWG 7 Stranded Soft Bare Copper (SBC)

Cross-linked Polyethylene Insulation (XLPE)

Copper Tape Shielded VFD

Low Acid Gas Polyvinyl Chloride (PVC) Outer Jacket

Temperature Rating -40°C to 90°C DRY/90°C WET

General Specification of Product :

Final Diameter :	0.453 inches	11.5 mm
Total Cable Weight :	153 lbs/1000 ft	228 kg/km
Conductor :	14 AWG 7 Stranded Soft Bare Copper (SBC) Class B, ASTM B8	
Insulation :	CSA RW90 Rated Cross-linked Polyethylene Insulation (XLPE) Type RW90 , (Black, Red, Blue)	
Bonding Conductor:	3 X 18 AWG Bare Copper Ground Wires	
Overall Shield:	Copper Tape Shielded 100% Coverage	
Outer Jacket :	Low Acid Gas Polyvinyl Chloride (PVC) Outer Jacket --Black	
Outdoor Rating :	Sunlight Resistant, Direct Burial, -40°C Cold Bend, -40°C Cold Impact	

Certification and Approvals :

CSA C22.2 No. 38 / UL44 (Thermoset Insulated Wire and Cables)

CSA C22.2 No. 230 (Tray Cables)

Print Notes :

ELECTRO-DRIVE CSA LL61365 RW90 XLPE (-40°C) 1000V 3/C 14 AWG (2.08 mm²)

SHIELDED VFD FT4 AG14 SUN RES TC DIR BUR

RoHS 82114BB-VFD-PV4 [Work Order No.] [Sequentially marked in Meters (0 - infinity)]

Electrical Characteristics :

DC Resistance 20°C :	2.628 Ω/1000ft (8.620 Ω/km)	
Ampacity ¹ :	25 A	A
Impedance:	102.44	Ω
Capacitance:	17.47	Pf/Ft
Inductance:	0.183	pH/Ft
Metal Content:	0.130	kg/M

Physical Characteristics :

Maximum Pulling Tension : (EYE)	102 lbs / 46 kg
Minimum Bend Radius - Pulling :	4.1 in. / 103 mm
Minimum Bend Radius - Permanent :	2.7 in. / 69 mm
Side Wall Bearing Pressure:	500 Per Foot of Radius
Inductance Reactance:	0.069 Ohm/mft

¹ Ampacity value based on CE code Table 2 @90c multi Conductor Copper for an ambient temperature of 30°C. Correction Factors may apply.

Temperature :

Handling and Installation :	-10°C to +60°C
Operation and Storage :	-40°C to +90°C
Cold Bend / Impact Rated :	-40°C

Additional Information:

Recommended handling and installation temperature as per CEC Part I Appendix B, Rule 12-102 1) and 2).

Appropriate precautions should be taken for all installations below -10°C. Please consult Electro Cables for additional handling and installation instructions for cables exposed to lower ambient temperatures.

Fire Hazard Performance :

CSA C22.2 No. 2556 Method 2 - FT4 Vertical Flame Test

IEEE 1202 - Flame Testing of Cables for use in Cable Tray

All Cables are Canadian Made in Ontario

QMS Registered ISO 9001

Electro Cables Inc. has been manufacturing quality cables for over 40 years