



SPECIFICATION SHEET

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www.electrocables.com QMS Registered to ISO 9001

Date: 10-Apr-23

Product Number:

6XAAOS18-1PR

CSA ACIC 600V XLPE/PVC AG14 FT4 -40°C

18 AWG 1/PR Stranded Soft Tinned Copper (STC)

Cross-linked Polyethylene Insulation (XLPE)

Overall Aluminum Mylar Shield with a Stranded Tinned Copper Drain Wire

Low Acid Gas Polyvinyl Chloride (PVC) Inner Jacket

Aluminum Interlock Armour (AIA)

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 :	0.602 inches	15.3 mm
Total Cable Weight :	137 lbs/1000 ft	204 kg/km
Conductor :	18 AWG Stranded Soft Tinned Copper (STC) Class B, ASTM B33	
Insulation :	Cross-linked Polyethylene Insulation (XLPE), (Black and White)	
Shielding :	Overall Aluminum Mylar Shield with a Stranded Tinned Copper Drain Wire	
Inner Jacket :	Low Acid Gas Polyvinyl Chloride (PVC) Inner Jacket, (Black)	
Diameter over Inner Jacket :	0.304 inches	7.7 mm
Armour :	Aluminum Interlock Armour (AIA)	
Diameter over Armour :	0.502 inches	12.8 mm
Outer Jacket :	Low Acid Gas Polyvinyl Chloride (PVC) Outer Jacket, (Black)	
Outdoor Rating :	Sunlight Resistant, -40°C Cold Bend, -40°C Cold Impact	
Certification and Approvals :	CSA C22.2 No. 239 (Control and Instrumentation Cables) CSA C22.2 No. 174 (Hazardous Locations)	

Print Notes : ELECTRO CABLES 1/PR 18 AWG (0.821 mm²) 600V CSA INSTRUMENTATION CABLE ACIC LL61365
90C WET/90C DRY XLPE OS SHIELDED FT4 HL ABCD DIRECT BURIAL -40C SUN RES AG14
RoHS 6XAAOS18-1PR [Work Order No.] [Sequentially marked in Meters (0 - infinity)]

Electrical Characteristics :		Physical Characteristics :	
DC Resistance 20°C :	6.381 Ω/1000ft (20.93 Ω/km)	Maximum Pulling Tension :	26 lbs / 12 kg
Insulation Resistance 15°C :	2,200 GΩ•m	Minimum Bend Radius - Pulling :	10 in. / 245 mm
Dielectric Withstand :	2000 Vac/1min	Minimum Bend Radius - Permanent :	8 in. / 214 mm

Temperature :

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

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

All Cables are Canadian Made in Ontario

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Electro Cables Inc. has been manufacturing quality cables for over 35 years