

ShawFlex Item #: 63032U160210000

300V CSA Type CIC INSTRUMENTATION CABLE
2TR 16AWG 7W TINNED COPPER, PVC Insulation
FR PVC Jacket , Individual and Overall Aluminum/Mylar Tape Shielding
Suitable for use in 75C WET/105C DRY , SUN RES , -40C, FT4

Specification Reference

CSA C22.2 #239, Control & Instrumentation Cables
 CSA C22.2 #75, Thermoplastic Insulated Wires and Cables

Electrical Characteristics

Voltage Class (volts):	300		
Max. DC Conductor Res. (ohms/Mft @25C):	4.722	(	15.49 ohms/km)
Capacitance(cond to cond)(pF / ft):	51.4	(	168.54 pF / mt)
Capacitance (cond to shield)(pF / ft):	96.1	(	315 pF / mt)
Ampacity @ 30C (amps)*:	8		
Inductive Reactance (Ohms/1000ft):	0.037	(	0.12 ohms/Km)
Characteristic Impedance (Ohms):	44.5		

Construction Specifications

Type of Conductor Stranding:	16AWG 7W TINNED COPPER		
ASTM Standard (Conductor):	ASTM B8 & ASTM B33		
Diameter of Conductor (in):	0.058	(	1.47 mm)
Conductor Insulation Type:	FR PVC		
Insulation Thickness (in):	0.025	(	0.58 mm)
Nominal Insulated Wire Diameter (in):	0.106	(	2.69 mm)
Triad Identification:	White, Black & Red Number Coded		
Nominal Triad Lay (in):	2.0	(	50.8 mm)
Ind. Component Shield Type:	1-1/4" X 1.35 MIL FOIL FREE AL/MYLAR Tape		
Ind. Component Shield Drain Wire Size:	22AWG 7W TINNED COPPER		
Nominal Cable Lay (in):	6.4	(	162.6 mm)
Overall Separator Type:	Clear Mylar Tape (2mil thick)		
Type of Overall Shielding Tape:	2.0" X 1.35 MIL STR-EDGE AL/MYLAR Tape		
Overall Shielding Drain Wire Size:	20 AWG 7W TINNED COPPER		
Jacket Type & Colour:	90C -40C FR PVC, BLACK		
Average Outer Jacket Thickness (in):	0.045	(	1.14 mm)
Nominal Overall OD of Cable (in):	0.531	(	13.5 mm)
Jacket Identification:	SHAWFLEX 2TR 16AWG 300V CSA INSTRUMENTATION CABLE CIC 75C WET/105C DRY PVC ISOS SHIELDED -40C FT4 SUN RES MADE IN CANADA 63032U160210000 (mo#) (month year) (sequential footage marking every 2 feet)		

Physical Characteristics

Cable Weight (lbs/Mft):	142	(	212 kg/km)
Max. Pulling Tension (Pulling Eye) (lbs):	124	(	56 kg)
Max. Pulling Tension (Cable Grip) (lbs):	69	(	31 kg)
Min. Bending Radius: Permanent (in):	6.4	(	162 mm)
Min. Bending Radius: Pull (in):	9.6	(	243 mm)
Recommended Min. Install Temp. (C):	-10C		
Copper Content(lbs/Mft):	56.7	(	84.4 kg/km)
Flame Propagation Test Rating:	CSA FT4		
Additional Ratings:	, -40C Cold Bend , SUN RES RoHS Compliant		

* Ampacity value based on Canadian Electrical Code, Version 2015, Table-57. Values are corrected according to number of Conductors.

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