

## Anixter Item #: 2TF-1030

## ShawFlex Item #: 4C010M103000000

600V CSA Type TC CONTROL TRAY CABLE

30C 10AWG 7W BARE COPPER, FR XLPE (RW90) Insulation

FR PVC Jacket

Suitable for use in 90C Wet/105C DRY, SUN RES, -40C, FT4, Direct Burial

TC rated for Class I Zone 2 (Div 2) & Class II Div 2 Hazardous Locations

### Specification Reference

CSA C22.2 #230, Tray Cables

CSA C22.2 #38, Thermoset Insulated Wires and Cables

### Electrical Characteristics

Voltage Class (volts):	600		
Max. DC Conductor Res. (ohms/Mft @25C):	1.081	(	3.55 ohms/km )
Capacitance(cond to cond)(pF / ft):	18.1	(	59.5 pF / mt )
Ampacity @ 30C (amps)*:	24		
Inductive Reactance (Ohms/1000ft):	Not Available		

### Construction Specifications

Type of Conductor Stranding:	10AWG 7W BARE COPPER (Concentric)
ASTM Standard (Conductor):	ASTM B8
Diameter of Conductor (in):	0.112 ( 2.84 mm )
Conductor Insulation Type:	FR XLPE (RW90)
Insulation Thickness (in):	0.030 ( 0.76 mm )
Nominal Insulated Wire Diameter (in):	0.176 ( 4.47 mm )
Conductor Identification:	Black number coded
Cable Twists per foot:	0.71 ( 2.32 m )
Overall Separator Type:	Clear Mylar Tape ( 1mil thick )
Ground Wire Size (uninsulated):	10AWG 7W BARE COPPER
Jacket Type & Colour:	90C -40C FR PVC, BLACK
Average Inner Jacket Thickness (in):	0.080 ( 2.03 mm )
Nominal Overall OD of Cable (in):	1.304 ( 33.1 mm )
Jacket Identification:	SHAWFLEX 30C 10AWG 600V CSA CONTROL CABLE CIC TYPE TC 90C WET/105C DRY XLPE SUN RES DIRECT BURIAL -40C FT4 MADE IN CANADA 4C010M103000000 (mo#) (month year) (sequential metre marking every 1 metre)

### Physical Characteristics

Cable Weight (lbs/Mft):	1416	(	2108	kg/km )
Max. Pulling Tension (Pulling Eye) (lbs):	2490	(	1129	kg )
Max. Pulling Tension (Cable Grip) (lbs):	308	(	140	kg )
Min. Bending Radius: Permanent (in):	7.8	(	199	mm )
Min. Bending Radius: Pull (in):	11.7	(	298	mm )
Max. Conductor Temperature (C):	90C WET/105C DRY			
Recommended Min. Install Temp. (C):	-10C			
Copper Content(lbs/Mft):	985.0	(	1465.9	kg/km )
Flame Propagation Test Rating:	CSA FT-4			
Additional Ratings:	TC , -40C Cold Impact, -40C Cold Bend , SUN RES			

\* Ampacity value based on Canadian Electrical Code, Version 2012, Table-2. Values are corrected according to Table-5C for number of Conductors.

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