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ISO 9001: 2015

PRODUCT DATA SHEET

Part No: 95-1828

CERTIFICATIONS AND CONSTRUCTION SPECIFICATIONS

Description	1 Pair 18 AWG Overall Shielded 600V CSA Instrumentation/Tray Cable		
Specification Reference	CSA C22.2 No. 230 Tray Cables CSA C22.2 No. 38 / UL 44 Thermoset Insulated Wires and Cables CSA C22.2 No. 239 Control and Instrumentation Cables		
Conductor	18 AWG 7 Strand Tinned Copper - Concentric		
ASTM Standard	ASTM B8, B33		
Conductor Diameter	0.048" / 1.22 mm		
Insulation Type	Flame Retardant Cross Linked Polyethylene RW90		
Insulation Thickness	0.030" / 0.76 mm		
Pair Identification	Black & White		
Pair Lay Length	2" to 3"		
Drain Wire	22 AWG 7 Strand Tinned Copper - Concentric		
Overall Shielding Tape	Aluminum/Mylar		
Cable Assembly	Conductors are cabled together with flame retardant cable fillers, a drain wire and an overall aluminum/mylar shield. (aluminum side in to contact the drain)		
Ripcord	Polyester Ripcord included under the jacket		
Jacket	Flame Retardant Black PVC		
Jacket Thickness	0.045" / 1.14 mm (minimum average)		
Overall Cable Diameter	0.316" / 8.03 mm		
Jacket Print	DECA 1PR 18 AWG SHIELDED 600V CSA TYPE CIC TCABCD 90C WET/105C DRY XLPE SUN RES DIRECT BURIAL -40C FT4 LL83251 ---- ROHS work order #, month, year, metre markings (every 1 metre)		

ELECTRICALS

Voltage	600V		
Conductor Resistance	22.7	Ohms/KM @20C	6.92 Ohms/Mft @20C
Inductive Reactance	0.1383	Ohms/KM @60 Hertz	
Capacitance	49	pF/metre	15 pF/ft
Characteristic Impedance	105	Ohms	

APPLICATIONS AND PHYSICAL PROPERTIES

Applications	Hazardous Locations: Class I, Zone 2, Groups A,B,C,D Class II, Zone 22 (Div 2), Groups E,F & G		
Flame Test Rating	CSA FT4		
Temperature Rating	-40C to 90C Wet/105C Dry		
ROHS	Compliant		
Cable Weight	71	kgs/km	48 lbs/1000ft
Copper Content	19	kgs/km	13 lbs/1000ft
Max Pull Tension (Eye)	18	kgs	40 lbs
Min Bending Radius	70	mm (installed)	2.75 inches (installed)
Nominal Cable Length	3000	metres	9842 feet
Min Install Temperature	-25C		