



Drawing # S-0400-01-02

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**Quadruplex Thermocouple Cable Design Specifications**

<b>Cable Diameter (D)</b>	(inch)	<b>0.177</b>	<b>0.188</b>	<b>0.236</b>	<b>0.250</b>	<b>0.313</b>	<b>0.375</b>	<b>0.425</b>	<b>0.500</b>
	(mm)	<b>4.5</b>	<b>4.8</b>	<b>6.0</b>	<b>6.4</b>	<b>8.0</b>	<b>9.5</b>	<b>10.8</b>	<b>12.7</b>
<b>Wire Diameter (W)</b>	(inch)	0.019	0.020	0.025	0.027	0.033	0.040	0.045	0.053
	(mm)	0.48	0.51	0.64	0.69	0.84	1.02	1.14	1.35
<b>Sheath Thickness (t)</b>	(inch)	0.020	0.021	0.027	0.029	0.036	0.043	0.049	0.057
	(mm)	0.51	0.53	0.69	0.74	0.91	1.09	1.24	1.45
<b>Bolt Circle Diameter (b)</b>	(inch)	0.089	0.094	0.119	0.126	0.158	0.199	0.214	0.252
	(mm)	2.26	2.39	3.02	3.20	4.01	5.05	5.44	6.40
<b>Coil Length</b>	(feet)	850	750	470	420	270	180	150	100
	(m)	259	229	143	128	82	55	46	30
<b>IR Test Voltage</b>	VDC	500	500	500	500	500	500	500	500
<b>Dielectric Test Voltage</b>	VAC	500	500	750	750	750	750	750	750

*Cable dimensions shown are nominal. Actual dimensions may vary within tolerance limits.  
 Specifications subject to change without notice.*

