

11) What should the thermocouple resistance measure? \_\_\_\_\_

Nominal Resistance for Thermocouple Alloys, Extension and Compensating Alloys in Ohms per Double Feet at 20°C																									
		Solid Conductors																	Stranded Conductors						
AWG		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	14 S	16 S	18 S	20 S	22 S	24 S
Diameter		0.258	0.204	0.162	0.129	0.102	0.081	0.064	0.051	0.040	0.032	0.025	0.020	0.016	0.013	0.010	0.008	0.006	0.005	0.076	0.060	0.048	0.038	0.030	0.024
Strands																				7-22	7-24	7-26	7-28	7-30	7-32
T H E R M O C O U P L E S	E, EX	0.011	0.017	0.028	0.044	0.070	0.111	0.177	0.281	0.453	0.709	1.129	1.795	2.853	4.537	7.214	11.470	18.239	29.000	0.161	0.256	0.408	0.648	1.031	1.639
	J, JX	0.006	0.009	0.014	0.023	0.036	0.057	0.091	0.145	0.234	0.367	0.584	0.928	1.476	2.347	3.731	5.933	9.434	15.000	0.083	0.133	0.211	0.335	0.533	0.848
	K, KX	0.009	0.014	0.023	0.036	0.058	0.092	0.147	0.233	0.376	0.589	0.937	1.490	2.369	3.767	5.990	9.524	15.145	24.080	0.134	0.213	0.338	0.538	0.856	1.361
	N, NX	0.012	0.019	0.030	0.048	0.077	0.123	0.195	0.310	0.500	0.783	1.245	1.980	3.148	5.006	7.960	12.656	20.126	32.000	0.178	0.283	0.450	0.715	1.137	1.808
	T, TX	N/A					0.048	0.076	0.120	0.194	0.304	0.483	0.768	1.221	1.942	3.088	4.910	7.808	12.415	0.069	0.110	0.174	0.277	0.441	0.701
	RX, SX	N/A					0.006	0.010	0.016	0.025	0.040	0.063	0.100	0.159	0.253	0.402	0.639	1.016	1.615	0.009	0.014	0.023	0.036	0.057	0.091
	BX	N/A					0.015	0.024	0.039	0.063	0.098	0.156	0.248	0.395	0.628	0.999	1.588	2.525	4.015	0.022	0.035	0.056	0.090	0.143	0.227



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