Max. Temperature of Protected Bare Wire Thermocouple vs. Wire Diameter

T/C Type	Wire Size						
	8AWG 3.26mm	14AWG 1.63mm	18AWG 1.00mm	20AWG 0.80mm	24AWG 0.50mm	28AWG 0.30mm	30AWG 0.25mm
Type K	1050℃	930℃	900℃	860℃	800℃	750℃	710℃
Type E	860℃	800℃	750℃	700℃	660℃	620℃	580℃
Type T	400℃	400℃	360℃	320℃	280℃	250℃	220℃
Type J	760℃	760℃	720℃	680℃	650℃	600℃	560℃
Type N	1100℃	1010℃	960℃	930℃	890℃	840℃	800℃

Temperatures are given as a guide to obtain a satisfactory life before burn out of the thermocouple occurs.Checks on stability should be carried out at regular intervals.