

Thermocouple Wire

Tolerances

Type	Range °C	Standard	Special
B	870 to 1700	±0.5%	±0.25%
E	0 to 870	±1.7 or ±0.5%	±1.0 or ±0.4%
J	0 to 760	±2.2 or ±0.75%	±1.1 or ±0.4%
K or N	0 to 1260	±2.2 or ±0.75%	±1.1 or ±0.4%
R or S	0 to 1480	±1.5 or ±0.25%	±0.6 or ±0.1%
T	0 to 370	±1.0 or ±0.75%	±0.5 or ±0.4%

Wire Code Numbers

Example Wire Code K20-1-304

K	20	1	304
Type	Wire Gauge	Conductor Type/Tolerance	Insulation Type
K	20	1=T/C Grade, Solid Core, Standard Tolerance	304 = Fibreglass (480°C)
J	24	2=T/C Grade, Solid Core, Special Tolerance	350 = Ceramic Fibre (1205°C)
T	30	3=T/C Grade, Stranded Core, Standard Tolerance	502 = PVC (105°C)
		4=T/C Grade, Stranded Core, Special Tolerance	505 = PVC Ripcord (105°C)
		5=Extension Grade, Solid Core, Standard Tolerance	506 = FEP, Teflon (204°C)
		6=Extension Grade, Stranded Core, Special Tolerance	507 = FEP, Teflon (204°C)
		7=Extension Grade, Solid Core, Standard Tolerance	
		8=Extension Grade, Stranded Core, Special Tolerance	

Most combinations of cable can have a Stainless Steel Wire Over Braid as an option.

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Section 11



Temperature
Pressure