

THERMOCOUPLE WIRE

#1	DESCRIPTION [7-5 through 7-17]
7	Thermocouple wire (measured in feet)



#2	TYPE		
EXTENSION GRADE [10]	THERMOCOUPLE GRADE [9]	TYPE	
JX	J	Iron/Constantan	<p>Note: For special limits of error thermocouple wire, use a double calibration symbol. (Example: JJ for Type J special limits). Polyvinyl Chloride (PVC) wire and type R,S, B, and C fiberglass wire are ordinarily manufactured in extension grade. Kapton, Nylon, Teflon, fiberglass braid, Refrasil, and Nextel are ordinarily manufactured in thermocouple grade.</p> <p>It is common practice to use plain Copper wire for type "B" extension. Use 2X from this selection or 2 conductor RTD wire. (Ex. 7RTT2242N)</p>
KX	K	Chromel/Alumel	
TX	T	Copper/Constantan	
EX	E	Chromel/Constantan	
NX	N	Nicrosil/Nisil	
RX	--	Copper/#11 Alloy	
SX	--	Copper/#11 Alloy	
BX	-	PCLW 630/Copper (special order only)	
2X	-	Copper/Copper	
CX	-	A405/A426	

Extension Grade Only	#3	INSULATION [7-5] [7-6]	Temperature Range (°C)		Temperature Range (°C)	
	{	PP*	Polyvinyl Chloride(PVC)	-29 to 105	GG*	Fiberglass braid
PC		Polyvinyl Chloride(PVC) rip cord	-29 to 105	GS*	Fiberglass braid with SS overbraid	25 - 482
PA*		Polyvinyl Chloride(PVC) w/ twisted conductors Aluminum Mylar shield & drain wire	-29 to 80	HG*	High temperature fiberglass braid	25 - 705
				HS*	High temperature fiberglass braid with SS overbraid	25 - 705
KK*		Kapton	-200 to 288	RR	Refrasil	25 - 871
NN		Nylon	-200 to 177	SI	Siloflex	25 - 982
TF*		Fused Teflon	-200 to 260	NE*	Nextel - Heavy weave (for light weave, use X and specify lower weave #)	25 - 1204
TT*		Extruded Teflon	-200 to 200	X	Other, specify	
HT		Hi-temp Teflon	-200 to 285			

*Standard stock items in 20 AWG. Other insulation and sizes available.

#4	WIRE SIZE			
16	16 AWG	28	28 AWG	
20	20 AWG (Standard)	30	30 AWG	
24	24 AWG	X	Other, specify	

#5	WIRE CONSTRUCTION
1	Solid (Standard)
2	Stranded

7	J	TT	20	1
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[] Brackets indicate page numbers where additional helpful information can be found in technical catalog. Now available online at www.JMS-SE.com/TechnicalCatalog