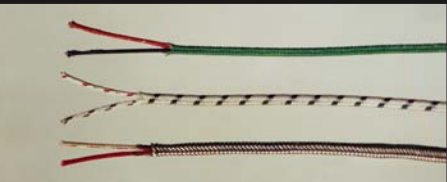


THERMOCOUPLE WIRE

#1	DESCRIPTION [7-5 through 7-17]				
7	Thermocouple Wire				
#2	TYPE				
EXTENSION GRADE [10]	THERMOCOUPLE GRADE [9]			Unit of Measure = Feet	
JX KX TX EX NX RX SX BX CX	J K T E N -- -- -- --	Iron/Constantan Chromel/Alumel Copper/Constantan Chromel/Constantan Nicrosil/Nisil Copper/#11 Alloy Copper/#11 Alloy PCLW 630 / Copper (special order only) Copper / Copper		It is common practice to use plain copper wire for type "B" extension. Use type CX from this selection	
#3	INSULATION				
Extension Grade Only	PP*	Polyvinyl chloride	GG*	Fiberglass braid	
	PC	Polyvinyl chloride rip cord	GS*	Fiberglass braid with SS overbraid	
	PA*	Polyvinyl chloride w/ twisted conductors aluminum mylar shield & drain wire	HG*	High temp. fiberglass braid	
			HS*	High temp. fiberglass braid with SS overbraid	
	KK*	Kapton	RR	Refrasil	
	NN	Nylon	NE*	Nextel - Heavy weave (for light weave, use X and specify lower weave #)	
	TF*	Fused teflon		Other, specify insulation	
	TT*	Extruded teflon	X		
#4	WIRE GAUGE				
16 20 24	16 gauge 20 gauge (standard) 24 gauge	28 30 X	28 gauge 30 gauge Specify gauge		
#5	WIRE CONSTRUCTION				
1 2	Solid (standard) Stranded				
7	J	TT	20	1	[] BRACKETS INDICATE PAGE NUMBERS IN TECHNICAL CATALOG AVAILABLE ONLINE AT WWW.JMS-SE.COM/PDF/JMS_TECHNICAL_CATALOG.PDF

Note: For special limits of error thermocouple wire use a double calibration symbol. (Ex.JJ for Type J special limits). Polyvinyl chloride 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.

NON-INSULATED SINGLE CONDUCTOR THERMOCOUPLE WIRE

#1	DESCRIPTION [7-11]			
7N	Non-Insulated Thermocouple Wire			
#2	TYPE			
JP JN KP KN EP EN NP	Iron Constantan Chromel Alumel Chromel Constantan Nicrosil	NN TP TN SP* SN* RP* RN*	Nisil Copper Constantan Platinum 10% Rhodium Platinum Platinum 13% Rhodium Platinum	BP* BN* CP LCP * Unit of Measure = Inches
#3	WIRE GAUGE			
8 14 16 20	8 gauge 14 gauge 16 gauge 20 gauge	24 28 30 X	24 gauge (JMS standard for SP, SN, RP, RN, BP, & BN) 28 gauge 30 gauge Other, specify	Note: See www.jms-se.com for weight per unit of measure

MULTI-CONDUCTOR EXTENSION CABLE

Each conductor is insulated with polyvinyl chloride or Teflon. An aluminum backed Mylar™ tape serves as an electrostatic shield. A solid 20 gauge tinned-copper drain wire is over the bundle in direct contact with the aluminum/mylar shield, thus minimizing any stray EMF's. Conductors are color coded and numbered for identification. All conductors are insulated with an outer jacket of polyvinyl chloride or Teflon insulation approximately .0245" thick. Multipair extension cable can be manufactured with various quantities of pairs and insulation types. Contact JMS Southeast sales office for any requirements you may have.

#1	DESCRIPTION [7-5 through 7-17]			
7M	Multi-Conductor Thermocouple Extension Cable			
	#2	TYPE		
	J	Iron/Constantan		
	K	Chromel/Alumel		
	T	Copper/Constantan		
	E	Chromel/Constantan		
	R	Copper/#11 Alloy		
	S	Copper/#11 Alloy		
	B	PCLW 630 / Copper		
	2	2 wire RTD (commonly used for type B and C thermocouples)		
	3	3 wire RTD		
	4	4 wire RTD		
	X	Other, insert calibration needed		
	#3	# OF PAIRS	NOMINAL O.D.	EST. SHIPPING WT. LBS. PER 1000 FEET
	2	2	.370	53
	4	4	.390	80
	8	8	.480	131
	12	12	.592	198
	16	16	.653	245
	20	20	.680	285
	24	24	.770	338
	X	Other, specify		
	#4	INSULATION		
	P	Polyvinyl chloride		
	T	Teflon - extruded		
	X	Other, specify		
	#5	ALUMINUM MYLAR SHIELD		
	I	Individual pair and overall		
	O	Overall only		
	Z	Not applicable		

Note: Conductors are 20 gauge solid.


Note: Add "S" for stranded conductors

Unit of Measure = Feet

7M	J	4	P	I
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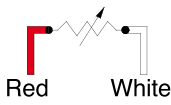
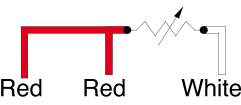
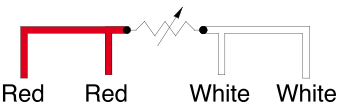
RTD WIRE

#1	DESCRIPTION				
7R	RTD Wire				
	#2	INSULATION			
	PP	Polyvinyl chloride			
	GG	Fiberglass insulated (Standard)			
	GS	Fiberglass braid with stainless steel overbraid (available in 3 conductor , 24 awg, Nickel plated copper)			
	KK	Kapton insulated			
	TT*	Extruded Teflon singles, Teflon wrap overall (Standard) (Conductors properly color coded as per ASTM E1137 & IEC 751)			
	X	Other, specify			
	#3	NUMBER OF CONDUCTORS			
	2	Two conductors			
	3	Three conductors			
	4	Four conductors			
	X	Other, specify			
	#4	WIRE GAUGE			
	16	16 gauge			
	20	20 gauge			
	24	24 gauge (Standard)			
	28	28 gauge			
	30	30 gauge			
	X	Specify gauge			
	#5	WIRE CONSTRUCTION			
	1	Solid			
	2	Stranded (standard)			
	#6	SHIELD			
	N	No shield			
	A	Aluminum Mylar shield			



7R	TT	3	24	2	N
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RTD extension wire is any normal electrical wire. Color codes for RTD's are specified and maintained by ASTM E1137 & IEC 7051. Insulation types maintained in our inventory are teflon for single or dual, 3 or 4 wire RTD's, 24 awg. Also, fiberglass, 4 wire, 24 awg.

	2-wire-configuration	3-wire-configuration	4-wire-configuration
One resistor			
Two resistor	