

The preceding catalog pages have provided order code numbers for thermocouple elements, protection tubes, and the most commonly used industrial thermocouple assemblies. Non-standard assemblies can be designated by selecting the proper thermocouple element(s) and protection tube(s) from the appropriate pages in this catalog section. Component part order code numbers selected from those pages, and assembled as described below, with desired options from below, will provide the part number for a complete industrial thermocouple assembly. Special construction designs, using non-cataloged components, are also available. Consult factory for details.

ORDER CODES

Example Order Number:

1	2	3	4	
K8C	- 7-75	- 18	- 6E16	- 34 <i>Straight Assembly</i>
K8A	- 7-75	- 18-24	- 31, H	<i>Angle Assembly</i>
R24R	- 17A-17BH	- 24	- 49	<i>Double Tube Assembly</i>
K8E	- 18J	- 18-12	- 34	<i>Pipe Extended Assembly</i>

1 Thermocouple Element

Insert **order code** for thermocouple type, wire gauge size, and insulator type from the appropriate thermocouple element pages located in this catalog section.

2 Protection Tube

Insert **order code** for tube material and size from the appropriate protection tube pages located in this catalog section.

Double protection tube assemblies require selection of 2 tubes. **Example: 17A - 17BH**

3 Protection Tube Length

STRAIGHT ASSEMBLIES: Insert the desired protection tube "X" length in inches.

ANGLE ASSEMBLIES: Requires specifying hot and cold leg length in inches.

PIPE EXTENDED ASSEMBLIES: (Supplied with steel coupling and pipe extension beyond protection tube) Insert letter code "E" after wire gauge and specify extension length in inches.

4 Optional Welding Bushings (Applies to Metal-Alloy Tubes only)

CODE		DESCRIPTION	
STEEL	316SS	BUSHING SIZE (inches)	
6C(U)	8C(U)	1/2 NPT bushing (25 tubes)	
6D(U)	8D(U)	3/4 NPT bushing (25 and 50 tubes)	
6E(U)	8E(U)	1 NPT bushing (25, 50, 75 tubes)	
6F(U)	8F(U)	1(1/4) NPT bushing (50, 75, 100 tubes)	
6G(U)		1(1/2) NPT bushing (50, 75, 100 tubes)	
Substitute insertion length, in inches, measured from hot tip to bottom of bushing for (U) above. Insert NW in place of insertion length (U) for bushing supplied loose on tube.			
Optional Union and Nipple Connections			
CODE		DESCRIPTION	
STEEL	316SS	Both union and nipple supplied as material specified	
6PU(E)	8PU(E)		
Insert extension length, in inches, for (E)			
Head Terminations		Assembly Options	
CODE	DESCRIPTION	CODE	DESCRIPTION
31	Aluminum screw-cover head	A	Open-end protection tube
34	Cast-Iron screw-cover head	CB	Continuous-bend angle assembly
49	Flip-top aluminum head	GS	Ground screw
91 ^[1]	316L SS screw-cover head	6Y	Steel temperature check fitting
93 ^[1]	Aluminum explosion-proof/flame-proof head, NEC, IEC, Atex approved	H	Adjustable steel mounting flange
94 ^[1]	316L stainless steel explosion-proof/flame-proof head, NEC, IEC, Atex approved	HC	Adjustable steel flange (cold leg)
N	Open type terminal head (B,R,S) with 16AF, 16BF, 17AF, 17BF tubes only	HT	Threaded floor flange on nipple
[1] Not Available with 1" NPT protection tubes		I	Stainless tags
		L	Insulated hot junction or recessed junction
		NT	Supplied without threads
		UL	Steel union elbows
		SB	1/2" NPT Conduit Reducer Bushing