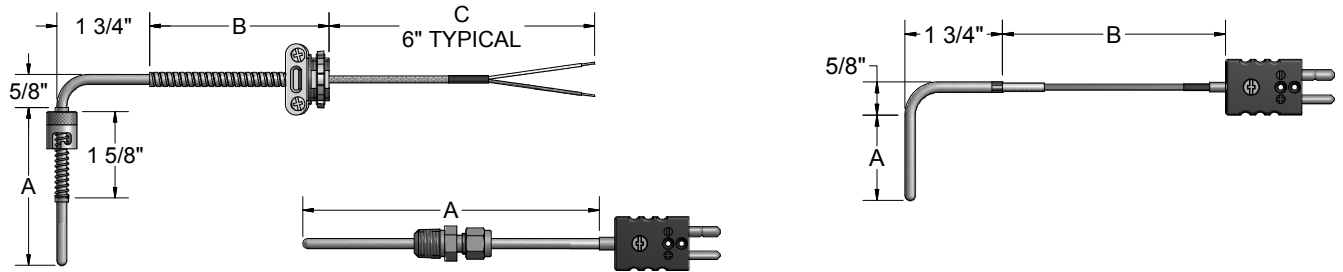


The thermocouples described below are commonly used in the plastic process industry. These assemblies can be used in many general applications where a 1/8" NPT fitting is preferred by utilizing either a compression fitting or a bayonet adapter. These sensors are constructed using a 316 stainless steel sheath and insulated thermocouple wire.



ORDER CODES

Example Order Number:

1-1 1-2 1-3 2 3 4 5
JP3 3 U - 04 - 13A - F1A012 - 2, BX

1-1 Thermocouple Type

CODE		SHEATH O.D. (inches)
SINGLE	DUPLEX	
JP2		1/8
JP3	JJP3	3/16
JP4	JJP4	1/4

Other Element Types

For type E, K or T thermocouples, replace J in order code with required letter designation.

1-2 Bend Angle

CODE	DESCRIPTION
1	Straight
2	45 degree bend
3	90 degree bend

1-3 Junction

Grounded junctions supplied as standard. Insert "U" only when requiring an ungrounded junction.

2 "A" Dimension

Insert 2 digit "A" length in inches (1" min).
 EX: 04 = 4 inch "A" dimension.

3 Sheath Fittings

CODE	DESCRIPTION	NOMINAL LENGTH (inches)
00	No fitting	
13A ^[1]	7/16" I.D. single slot spring-loaded bayonet fitting	1 5/8
15A	1/8" NPT brass one time adjustable comp. fitting	1 1/8
01A	1/8" NPT SS one time adjustable comp. fitting	1 1/4
16A	Comp. fitting with bayonet cap and spring - 1/8" O.D. sheaths only (2 5/8" min. 'A' dimension)	2 3/8

[1] 13A are not available with 1/4" O.D. sheaths

4 Extension Leadwire Type and "B"+"C" Dimension

CODE ^[1]	DESCRIPTION
000	No leadwire, connector attached to sheath
F1 ___	Fiberglass insulation - solid conductor
F1A ___	Fiberglass insulation - solid conductor - flexible armor
F1B ___	Fiberglass insulation - solid conductor - stainless steel overbraid
F3 ___	Fiberglass insulation - stranded conductor
F3A ___	Fiberglass insulation - stranded conductor - flexible armor
F3B ___	Fiberglass insulation - stranded conductor - stainless steel overbraid
T1 ___	Teflon [®] insulation - solid conductor
T1A ___	Teflon [®] insulation - solid conductor - flexible armor
T3 ___	Teflon [®] insulation - stranded conductor
T3A ___	Teflon [®] insulation - stranded conductor - flexible armor

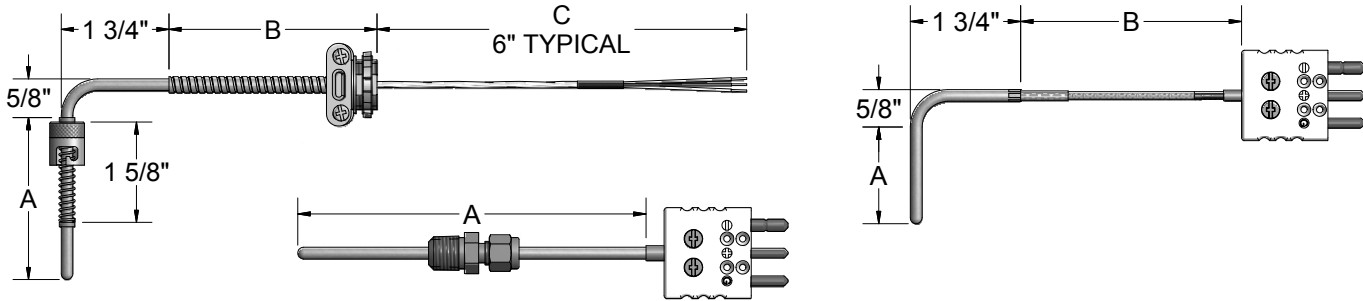
[1] Insert 3 digit "B" length in inches. EX: F1036=36" "B" length; for assemblies requiring other than the standard 6" "C" dimension, insert 3 digit "C" length in inches after "B" dimension. EX: F1A036-012=36" "B" length with additional 12" leads beyond armor.

5 Terminations and Options

CODE	DESCRIPTION
0	Leads not stripped
2	2" split leads, 1/4" stripped
3	2" split leads with spade lugs
4	Standard plug
5	Standard jack
6	Miniature plug
7	Miniature jack
8	2" split leads with 1/4" female disconnect lugs
Options	
MC	Mating connector
CC	Cable clamp
BX	Box connector

Teflon[®] is a registered trademark of E. I. du Pont de Nemours and Company.

The RTDs described below are those most commonly used in the plastic process industry. These assemblies can be used in many general applications where a 1/8" NPT fitting is preferred by utilizing either a compression fitting or a bayonet adapter. These assemblies are supplied standard using 316 stainless steel sheath material and a 100 Ω platinum element with a temperature coefficient of 0.003 85 °C⁻¹ (IEC Class B). Elements of other materials, values, and tolerances are available upon request.



ORDER CODES

Example Order Number: **RBF1853P 3 3 - 06 - 13A - F3B012 - 2, BX**

1-1 RTD Element

CODE		ELEMENT CONNECTION
SINGLE	DUPLEX ^[1]	
RBF1853P	RBF2853P	3-wire
RBF1852P	RBF2852P	2-wire

[1] Duplex: no 1/8" O.D.; 3/16" O.D. limited to Kapton® or Teflon® leadwire.

1-2 Sheath Diameter

CODE	DESCRIPTION (inches)
2 ^[1]	1/8
3	3/16
4	1/4

[1] Only available with Kapton® or Teflon® leads.

1-3 Bend Angle

CODE	DESCRIPTION
1	Straight
2	45 degree bend
3	90 degree bend

2 "A" Dimension

Insert 2 digit "A" length in inches (1" min). EX: 06 = 6 inch "A" dimension.

3 Sheath Fittings

CODE	DESCRIPTION	NOMINAL LENGTH (inches)
00	No fitting	
13A ^[1]	7/16" I.D. single slot spring loaded bayonet ftg	1 5/8
15A	1/8" NPT brass one time adjustable comp. ftg	1 1/8
01A	1/8" NPT SS one time adjustable comp. fitting	1 1/4
16A	Comp. fitting with bayonet cap and spring - 1/8" O.D. sheaths only (2 5/8" min. 'A' dimension)	2 3/8

[1] 13A are not available with 1/4" O.D. sheaths

Kapton® and Teflon® are registered trademarks of E. I. du Pont de Nemours and Company.

4 Extension Leadwire Type and "B"+"C" Dimension

CODE ^[1]	DESCRIPTION
000	No leadwire, connector attached to sheath
F3 ___	Fiberglass insulation - stranded conductor
F3A ___	Fiberglass insulation - stranded conductor - flexible armor
F3B ___	Fiberglass insulation - stranded conductor - stainless steel overbraid
F3J ___	Fiberglass insulation - individual leads - stranded conductor (12" limit)
T3 ___	Teflon® insulation - stranded conductor
T3A ___	Teflon® insulation - stranded conductor - flexible armor
K3 ___	Kapton® insulation - stranded conductor
K3A ___	Kapton® insulation - stranded conductor - flexible armor
K3B ___	Kapton® insulation - stranded conductor - stainless steel overbraid

[1] Insert 3 digit "B" length in inches. EX: F1036=36" "B" length; for assemblies requiring other than the standard 6" "C" dimension, insert 3 digit "C" length in inches after "B" dimension. EX: F1A036-012=36" "B" length with additional 12" leads beyond armor.

5 Terminations and Options

CODE	DESCRIPTION
0	Leads not stripped
2	2" split leads, 1/4" stripped
3	2" split leads with spade lugs
4	Standard plug
5	Standard jack
6	Miniature plug
7	Miniature jack
8	2" split leads with 1/4" female disconnect lugs

Options

MC	Mating connector
CC	Cable clamp
BX	Box connector