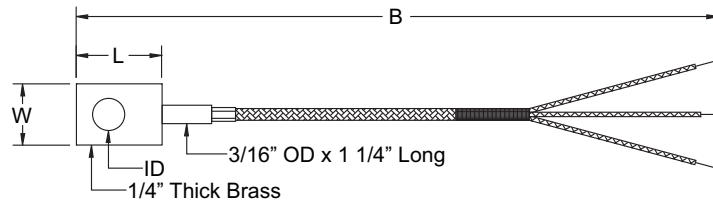


The ring type assembly pictured below has the RTD element embedded into a brass ring. Various ring sizes are available to measure the surface temperature of nozzles, extruder barrels, die heads, molds, and many other applicable surfaces. This assembly is supplied standard using a 100 Ω platinum element with a temperature coefficient of 0.003 85 °C⁻¹ and an accuracy of ± 0.3 °C @ 0 °C (DIN Class B). Note: Accuracy statement for 3-wire assemblies only. Elements of other materials, values, and accuracies are available upon request. See General RTD Specifications, later in this section, for temperature ratings on selected wire type and other construction specifications.



ORDER CODES

Example Order Number:

RBF1853RB - **2** - **F3B012** - **2**

1-1 RTD Element Type

CODE		ELEMENT CONNECTION
SINGLE	DUPLEX ^[1]	
RBF1853RB	RBF2853RB	3 wire
RBF1852RB	RBF2852RB	2 wire

[1] Duplex assemblies available with Kapton® or Teflon® wire only.

1-2 Ring Size

CODE	ID (inches)	W (inches)	L (inches)	SCREW SIZE
1	0.20	3/8	5/8	#6 - #10 4mm - 5mm
2	0.33	5/8	7/8	#12, 1/4" - 5/16" 5mm - 8mm
3	0.40	5/8	7/8	5/16" - 3/8" 8mm - 10mm

2 Extension Leadwire Type and B + C Dimension

CODE ^[1]	WIRE DESCRIPTION
F3___	Fiberglass insulation - stranded conductor
F3A___	Fiberglass insulation - stranded conductor - flexible armor
F3B___	Fiberglass insulation - stranded conductor - stainless steel overbraided
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 overbraided

[1] Insert 3 digit B length in inches. EX: F1A012=12" 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" C length.

3 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 disconnects
Options	
MC	Mating connector
CC	Cable clamp
BX	Box connector