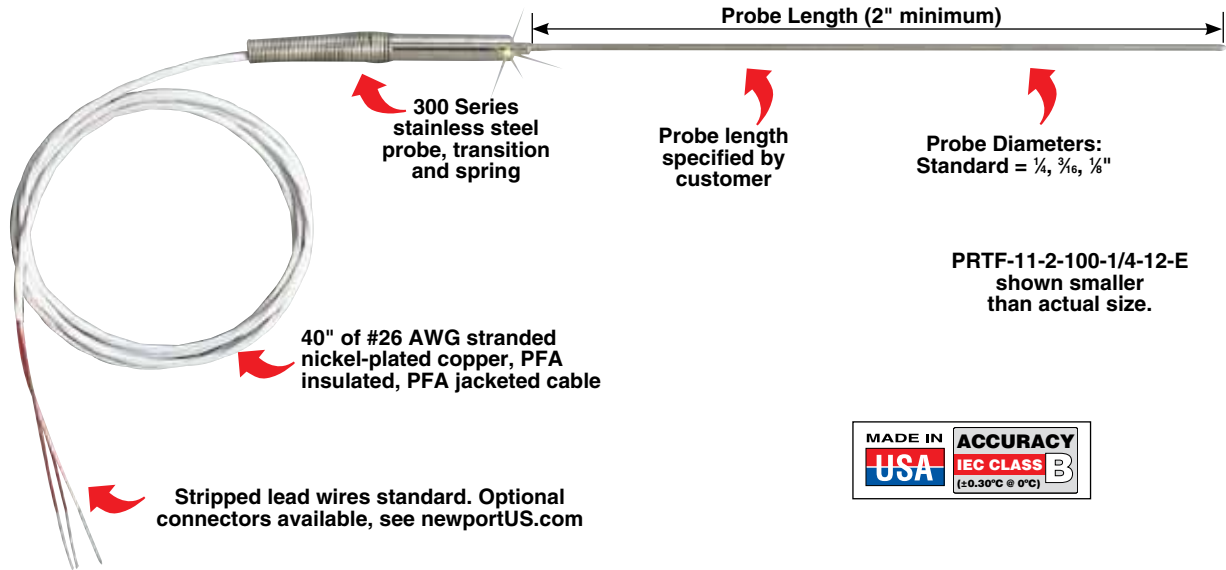


# RTD Probes with Transitions

## With PFA Jacketed Wires for Industrial Applications

### Standard Dimensions

- ✓ Probe Transition Includes a Strain Relief Spring at the Cable Exit
- ✓ Available in Standard and Metric Sizes
- ✓ Temperature Range -50 to 250°C
- ✓ Precision Thin Film 100 or 1000Ω, Class B DIN Platinum Elements per IEC60751 ( $\alpha = 0.00385 \Omega/\Omega/^\circ\text{C}$ )
- ✓ 2-, 3-, 4-Wire Constructions Available
- ✓ All Sensors Supplied to IEC60751/ASTM E-1137 Color Codes



#### 100 Ω Sensor

To Order Visit [newportUS.com/prtf-11](http://newportUS.com/prtf-11) for Pricing and Details

Model Number	Lead Wire Style	Sheath Length
PRTF-11-2-100-(*)-6-E	3 Wire	6"
PRTF-11-2-100-(*)-9-E	3 Wire	9"
PRTF-11-2-100-(*)-12-E	3 Wire	12"
PRTF-11-2-100-(*)-18-E	3 Wire	18"
PRTF-11-2-100-(*)-24-E	3 Wire	24"

\* Specify "-1/8", "-3/16", or "-1/4" for probe diameter in inches. To order 4-wire sensors, change "-2" to "-3" in the model number for an additional cost. To order probes in intermediate lengths (2" minimum), change model number, for an additional cost. For probe lengths over 24", change length in model number for an additional cost per inch of probe length. For cables longer than 40", add cable length to end of the model number for an additional cost per foot. For MTP and OTP connectors, add "-MTP" or "-OTP" to model number for an additional cost. For TA3F audio connector, add "-TA3F" to model number for an additional cost.

Ordering Example: PRTF-11-2-100-1/4-12-E-TA3F, 100 Ω, Class "B" RTD with 1/4" diameter by 12" long probe, 40" of 3-wire cable and TA3F connector.

#### 1000 Ω Sensor

Model Number	Lead Wire Style	Sheath Length
PRTF-11-2-1000-(*)-6-E	3 Wire	6"
PRTF-11-2-1000-(*)-9-E	3 Wire	9"
PRTF-11-2-1000-(*)-12-E	3 Wire	12"
PRTF-11-2-1000-(*)-18-E	3 Wire	18"
PRTF-11-2-1000-(*)-24-E	3 Wire	24"

Ordering Example: PRTF-11-2-1000-1/8-12-E-TA3F, 1000 Ω, Class "B" RTD with 1/8" diameter probe 12" long, 40" of 3-wire PFA insulated cable and TA3F connector.

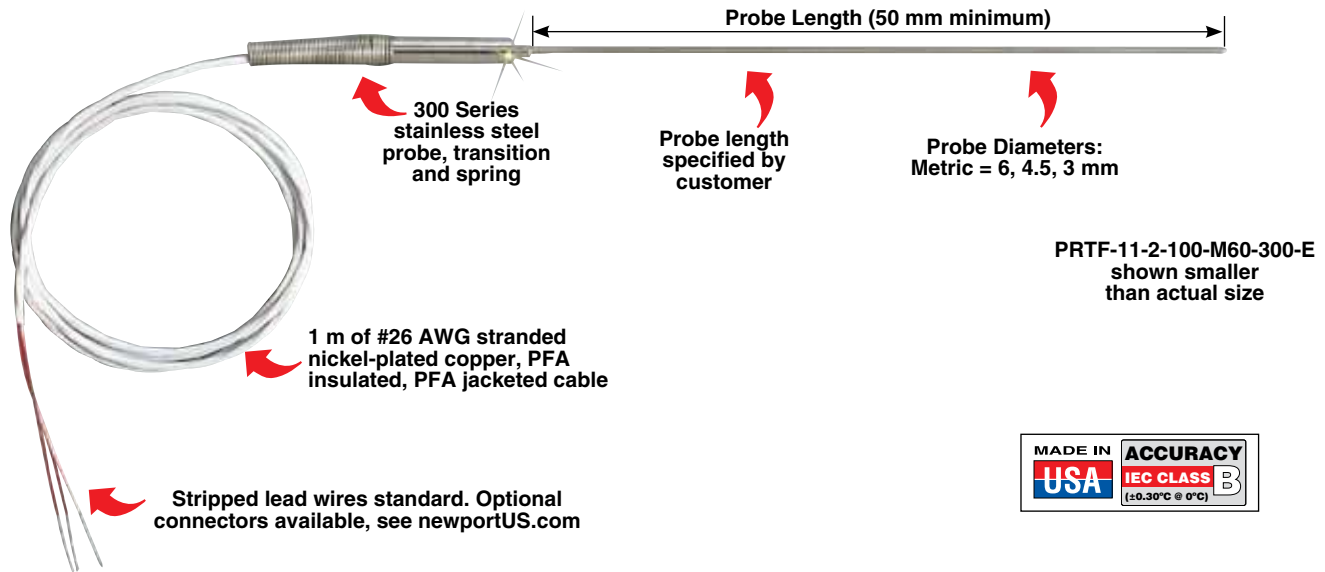
# RTD Probes with Transitions

## With PFA Jacketed Wires for Industrial Applications

### Metric Dimensions

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- ✓ Probe Transition Includes a Strain Relief Spring at the Cable Exit
- ✓ Available in Standard and Metric Sizes
- ✓ Temperature Range -50 to 250°C
- ✓ Precision Thin Film 100 or 1000Ω, Class B DIN Platinum Elements per IEC60751 (alpha = 0.00385 Ω/Ω/°C)
- ✓ 2-, 3-, 4-Wire Constructions Available
- ✓ All Sensors Supplied to IEC60751/ASTM E-1137 Color Codes



#### 100 Ω Sensor

**To Order Visit [newportUS.com/prtf-11](http://newportUS.com/prtf-11) for Pricing and Details**

Model Number	Lead Wire Style	Sheath Length
PRTF-11-2-100-(*)-150-E	3 Wire	150 mm
PRTF-11-2-100-(*)-225-E	3 Wire	225 mm
PRTF-11-2-100-(*)-300-E	3 Wire	300 mm
PRTF-11-2-100-(*)-450-E	3 Wire	450 mm
PRTF-11-2-100-(*)-600-E	3 Wire	600 mm

\* Specify “-M30” for 3 mm, “-M45” for 4.5 mm or “-M60” for 6 mm for probe diameter in millimeters. To order 4-wire sensors, change “-2” to “-3” in the model number for an additional cost. To order probes in intermediate lengths (50 mm minimum), change length in model number for an additional cost. For probe lengths over 600 mm, change length in model number for an additional cost per 25 mm of probe length. For cables longer than 1 m, add cable length to end of model number for an additional cost per meter. For MTP and OTP connectors, add “-MTP” or “-OTP” to model number for an additional cost. For TA3F audio connector, add “-TA3F” to model number for an additional cost.

**Ordering Example:** PRTF-11-2-100-M45-150-E-MTP, 100 Ω, Class “B” RTD with 4.5 mm diameter by 150 mm long probe, 1 m of 3-wire cable and MTP connector.

#### 1000 Ω Sensor

Model Number	Lead Wire Style	Sheath Length
PRTF-11-2-1000-(*)-150-E	3 Wire	150 mm
PRTF-11-2-1000-(*)-225-E	3 Wire	225 mm
PRTF-11-2-1000-(*)-300-E	3 Wire	300 mm
PRTF-11-2-1000-(*)-450-E	3 Wire	450 mm
PRTF-11-2-1000-(*)-600-E	3 Wire	600 mm

**Ordering Example:** PRTF-11-2-1000-M30-300-E-TA3F, 1000 Ω, Class “B” RTD with 3 mm diameter probe 300 mm long, 1 m of 3-wire PFA insulated cable and TA3F connector.