



T H E R M O M E T R I C S  
A C O M M I T M E N T T O E X C E L L E N C E

# NTC Type JI

Thermometrics  
Double Insulated  
Chip Thermistor with  
Insulated Wires



## Features

- Waterproof to IP68
- Withstands freeze/thaw cycling
- Available using any device in the Thermometrics standard NK and DC95 ranges
- Range of wire lengths 11.81 in to 196.85 in (300 mm to 5000 mm) (dimension WL on page 2)
- Suitable for refrigeration applications, including evaporators

**Amphenol**  
Advanced Sensors

# Type JI Specifications

## Description

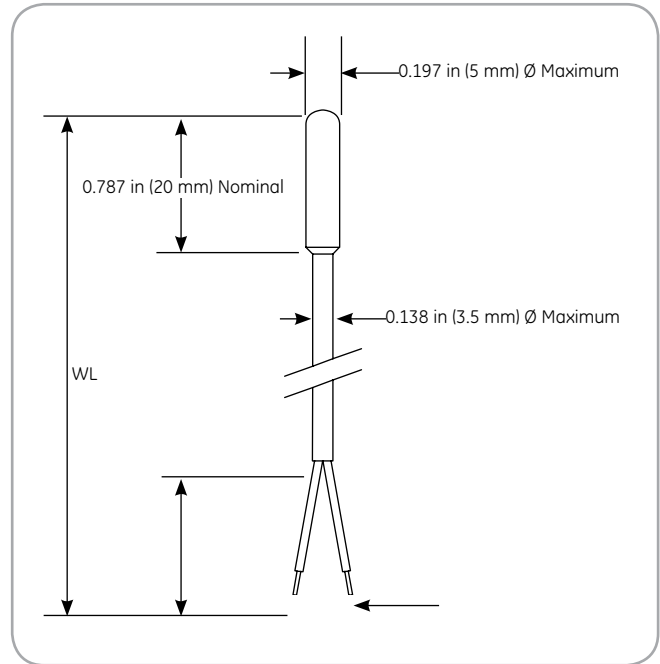
Chip thermistor housed in a tip, which is molded onto flexible circular cable. Tip and outer cable insulation material is thermoplastic elastomer. Tinned copper conductors have individual polyolefin insulation.

## Options

- Other resistance - temperature characteristics
- Other wire lengths

## Data

- Temperature range: -40°F to 221°F (-40°C to 105°C)
- Insulation resistance: >100 MΩ at 500 VDC
- Wire conductors: 7 X 0.23 mm diameter (0.30 mm<sup>2</sup>)
- Resistance - temperature characteristics:  
Refer to NK and DC95 data sheets



NTC Type JI dimensions

## Ordering Information

The code number to be ordered may be specified as follows:

Code	Type
J1	Double Insulated With Insulated Wires
	<b>Code</b> <b>Type</b>
	103C1R2    NK103C1R2    See NK or DC95 Data sheets
	F103W      DC95F103W
	<b>Code</b> <b>Wire Length WL in mm</b>
	L301      300 ± 10
	L501      500 ± 10
	L751      750 ± 20
	L102      1000 ± 20
	L152      1500 ± 25
	L202      2000 ± 25
	L252      2500 ± 50
	L302      3000 ± 50
	L352      3500 ± 50
	L402      4000 ± 50
	L452      4500 ± 50
	L502      5000 ± 50
J1	-      -      - <b>Typical model number</b>

Resistance characteristic and wire length are specified by the product code: e.g. J103C1R2 or J1F103W

Other wire lengths are available for quantities > 5000 pieces as above with a wire tolerance at > 3.28 ft (1 m) of +100 /- 0 mm (+3.9 in /- 0 in)