



NTC THERMISTORS: TYPE JI

DOUBLE INSULATED WITH INSULATED WIRES

DESCRIPTION:

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

FEATURES:

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

OPTIONS:

- Other resistance - temperature characteristics
- Other wire lengths

CODING:

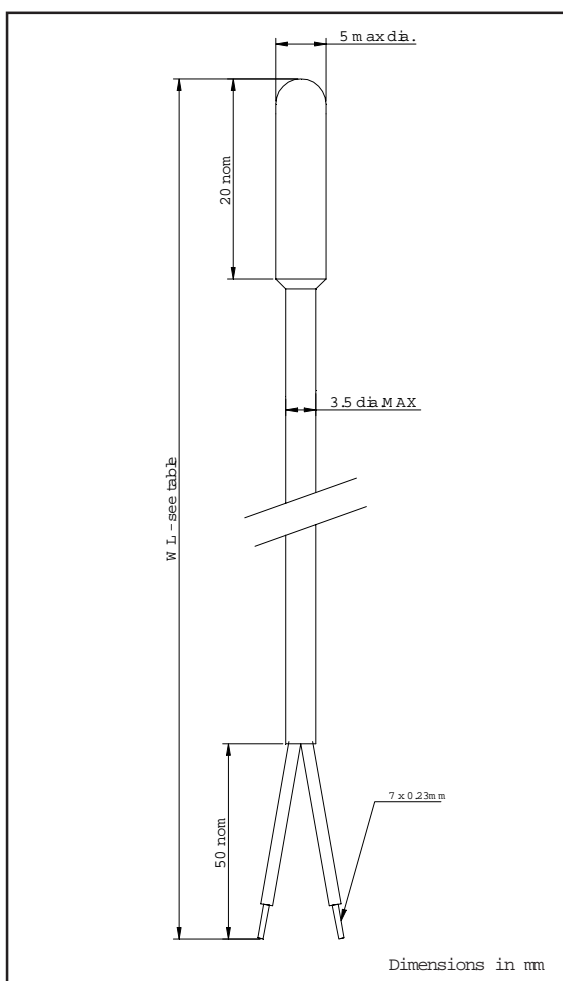
Resistance characteristic and wire length are specified by the product code:

e.g. JI103C1R2 or JIF103W

Example	Description	Standard values	
J1	Sensor style		
103C1R2 or F103W	Code of NK or DC95 sensing element e.g. NK 103C1R2 or DC95 F103W	See NK or DC95 data sheets	
L251	Wire length WL mm	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



DIMENSIONS:



DATA:

Temperature range -40 to +105°C
 Insulation resistance..... > 100Mw at 500V d.c.
 Wire conductors .. 7 x 0.23mm dia (0.30mm²)
 Resistance - temperature characteristics
 Refer to NK and DC95 data sheets

NOTE: Other wire lengths are available for quantities >5000 pieces as above with a wire tolerance at >1 meter of +100 / -0 mm

Data sheet D-JI-3