

NTC Ring Temperature Sensor Cable Assemblies



Molex's Temperature Sensor Cable Assemblies are available in a variety of beta values, resistances, lengths and temperature ranges to meet a diverse range of applications. The NTC Ring and Epoxy Coated Temperature Sensor Cable Assemblies include a ring terminal, thermal conductive epoxy and/or a Micro-Lock PLUS connector to deliver a market-ready solution for temperature sensing

Features and Advantages

Ring terminal mounting tab
Enables secure surface mounting and heat detection

Potted with thermally conductive epoxy
Assists in heat transfer from ring terminal to NTC chip

UL certified, environmentally friendly connectors
Ensures secure connection to the device and ready to use right away

Compact temperature sensing solution
Supports accurate surface temperature reading in difficult to reach location

Micro-Lock Plus
Ensures a reliable and easy connection



Reference Data

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PARAMETER	OPTIONS	UNIT
Resistance @ 25°C	1, 2.25, 3, 4.7, 5, 10, 12, 20, 30, 47, 50, 100	kohms
Resistance Tolerance	1, 2, 3, 5	%
Operating Temperature Range	-40 to +150; -40 to +105	°C
Dissipation Constant (in air)	3.2	mW/K
Thermal Time Constant	5	s
Temperature Coefficient Resistance	-4.4	%/°C
Max Power	100	mW
Mounting Hole Diameter	M2, M3.5, M4	mm
Beta Value @ B25/85	3500, 3802, 3964, 3982, 4050, 3892, 4035, 3600	K
Molex Connector	5055650201	

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Markets and Applications

Consumer

- Vending machines
- ATMs
- Computers
- Printing machines

Home Appliance

- Refrigerators
- Electric Ovens
- Freezers
- Coffee makers

Industrial

- HVAC
- Motors



Note: Molex reserves the right to delay or cancel production of the depicted product without additional notice. Please contact your Molex customer service representative for product availability.

www.molex.com/link/temperaturesensorcableassemblies.html

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