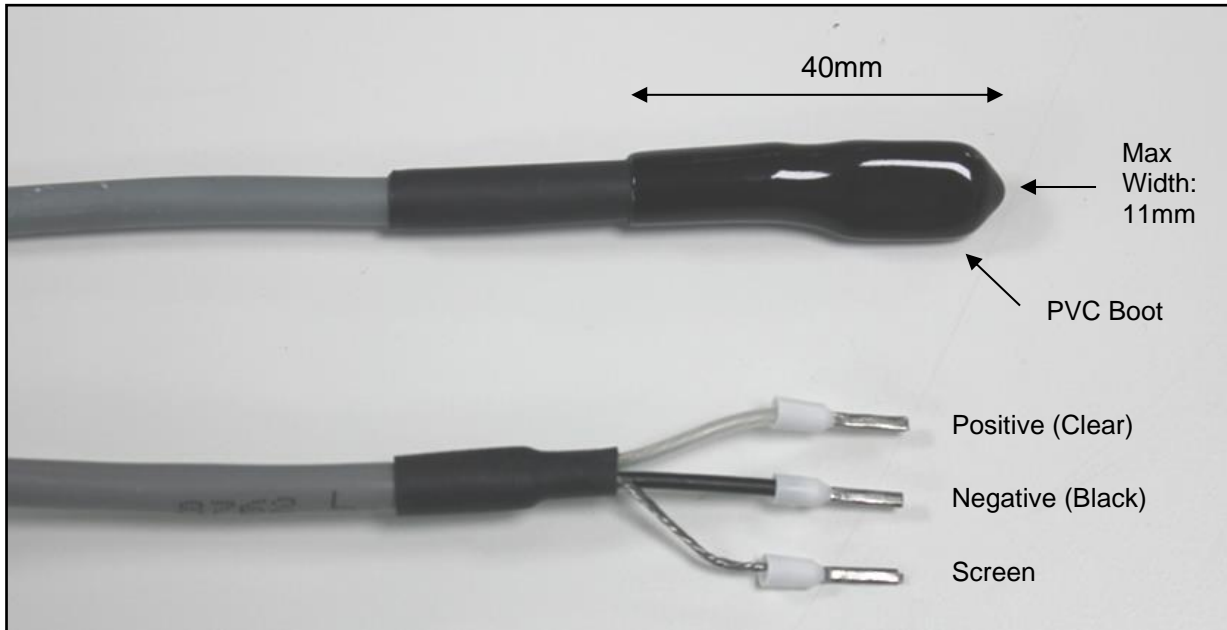


Update : New Design from July 2023

The **Micha Temperature Sensor** (MTS range) is manufactured with a PVC boot covering the sensor end, replacing the tinned-copper M10 cable lug. A variety of lengths of standard polyethylene cable are available, as well as alternative cable types – see table below for part numbers.

The sensing circuit utilizes the temperature characteristics of the LM334 Current Generator IC from National Semiconductor. Based on passing a current proportional to temperature, it is more immune to external interference than equivalent voltage sourcing temperature transducers, and is not affected by extending or shortening the cable. The use of the screen is optional but recommended.



Specifications:	Standard Cable	UV Resistant Cable	H07RN-F Cable
Material:	Grey Polyethylene	Black PE	Black Elastomer
Cores:	2 x 0.56mm ² + screen	2 x 0.75mm ² + screen	2 x 1.0mm
Nom O/D:	5.2mm	5.8mm	7.5mm
Connection:	Clear: Pos Black: Neg	Clear: Pos Black: Neg	Brown: Pos Blue: Neg
Accuracy:	Nominal ±3°C	Nominal ±3°C	Nominal ±3°C
Temp Range:	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C

Part Numbers:	Standard Cable	UV Resistant Cable	H07RN-F Cable
Length:	MTS-xx	MTS-UVR-xx	MTS-H07RN-xx
1m	103 880	-	-
5m	103 881	103 891	103 901
10m	103 882	103 892	103 902
15m	103 883	103 893	103 903
20m	103 884	103 894	103 904
25m	103 885	103 895	103 905
30m	103 886	103 896	103 906
35m	103 887	103 897	103 907

Custom cable lengths can be manufactured to order.

Country of Origin & Manufacture: United Kingdom - HS Code/Commodity Code: 90328900