

Sheathed thermocouple with cable

Seria 20-TOM

Sheathed thermocouples of the 20-TOM series are characterized by high resistance to vibrations and high flexibility with diameters below 3mm.

Thermocouples generate a voltage signal [mV] directly dependent on the measured temperature and type of thermocouple (J, K, S etc.).

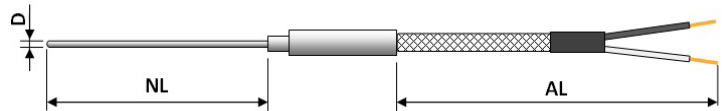
The voltage dependence on temperature is defined in the IEC 60584 standard.

Thermocouples are mainly made in accuracy class 1 according to IEC 60584 and have an insulated hot junction.

Other versions are available on request, e.g. grounded or exposed hot junction.

20-TOM series includes the following thermocouples:

- Sheathed thermocouples with cable
- Sheathed thermocouples with connection head
- Sheathed thermocouples with plug
- Sheathed thermocouples with a socket
- Sheathed thermocouples with free ends



Description	
Type	20-40204299-0250.G.TM
Article number	16019791

Sheathed thermocouple with cable terminated with free ends. The connection of sheath thermocouple with cable is protected by a metal sleeve with a diameter of 5mm. The wires of the cable are marked colors according to IEC 60584.

Technical parameters

Type	1 x Fe-CuNi / J
Hot junction	insulated
Mesuring range	0...+800°C
Accuracy	class 1 acc. IEC 60584
Nominal length NL	250mm
Diameter D	1mm
Sheath material	Inconel 2.4816
Cable length AL	2000mm
External cable insulation	fiberglass / metal braid
Cable ambient temperature	0...+ 400°C
Cable termination	free ends

Marking

Wires color coding according to IEC EN60584	
white -	
black +	

Mounting accessories, screw fittings, flanges, mounting covers, plugs and sockets are included in other catalog cards and on the website.