

Applications:

- For direct installation into the process
- Machine building
- Motors
- Bearings
- Pipes and vessels

Special features:

- Sensor ranges from -200 ... +1,260 °C [-328 ... +2,300 °F]
- For insertion or screw-in with optional process connection
- Versions with/without connector or connection housing (option)
- Explosion-protected versions (option)

Description:

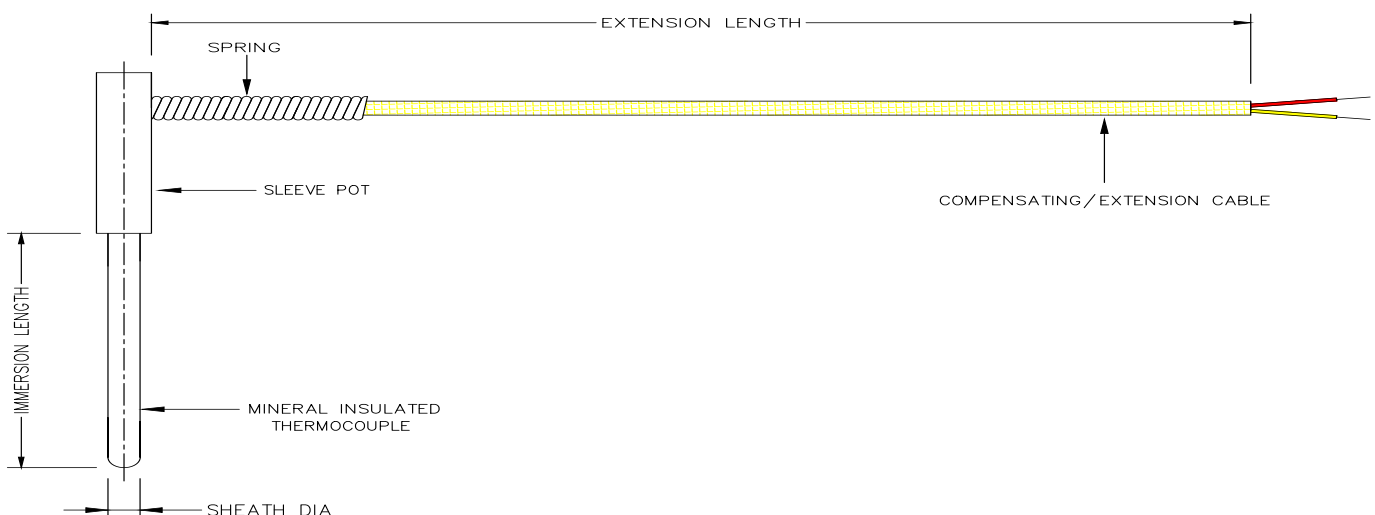
Cable thermocouples are particularly suited to those applications in which the metal probe tip is mounted directly into bored holes (e.g. in machine components) or directly into the process for any application with no chemically aggressive media or abrasion.

A large number of different explosion protection approvals are available for the AM-TE06.

For mounting into a thermowell, a spring-loaded compression fitting should be provided, since only this can press the measuring tip into the bottom of the thermowell. Otherwise a potentially critical force could be exerted on the measuring tip.

In the standard version the cable probes are manufactured without process connections. Fastening elements such as threaded connections, compression fittings, etc. are possible as options.

Dimensions:



Please consult factory for full specification/ Data sheet.

Ordering Information for AM-TE06 Series

Model	Product Description		
AM-TE06	Extension Lead Wire Thermocouple		
Code(1)	Connection Head type		Explosion Proof
1	Explosion Proof Aluminum Head	(Dual Conduits)	Eex d IIC T5
2	Explosion Proof Aluminum Head	(Single Conduits)	Eex d IIB+H2 T6
3	General Aluminum Head	(Single Conduits)	None(IP65)
4	General Stainless Steel Head	(Single Conduits)	None(IP65)
5	Sensor only with 150mm long TEFLON insulated lead wires		N/A
Code(2)	Terminal		
S	Single junction	T Triple junction	
D	Dual junction		
Code(3)	No. of Conductor wire		
2	2-wire		
4	2-wire duplex		
6	2-wire triplex		
Code(4)	Extension lead type		
FS	Flexible Copper shield type		
FF	Flexible Copper shield with compression fitting		
FA	Flexible armoured type		
FQ	Flexible armoured with compression fitting		
BS	Bayonet spring load type		
Code(5)	Element Type	Thermocouple Wire Alloys	Tempearture Range
K	Thermocouple "K"	Chromel / Alumel	-200 ~ 1200°C
E	Thermocouple "E"	Chromel / Constantan	-200 ~ 800°C
J	Thermocouple "J"	Iron / Constantan	0 ~ 750°C
T	Thermocouple "T"	Copper / Constantan	-200 ~ 350°C
Code(6)	Tip shape		
G	Grounded tip		
U	Ungrounded tip		
Code(6)	Extension Length(mm)		
2000	2000		
XXXX	others		
Code(7)	Sleeve type		
10	55 mmL, Epoxy molded		
XX	others		
Code(8)	Sheath Material		
A	304SS		
B	316SS		
C	INCONEL 600		
D	310SS		
E	446SS		
F	347SS		
G	321SS		
X	Others		

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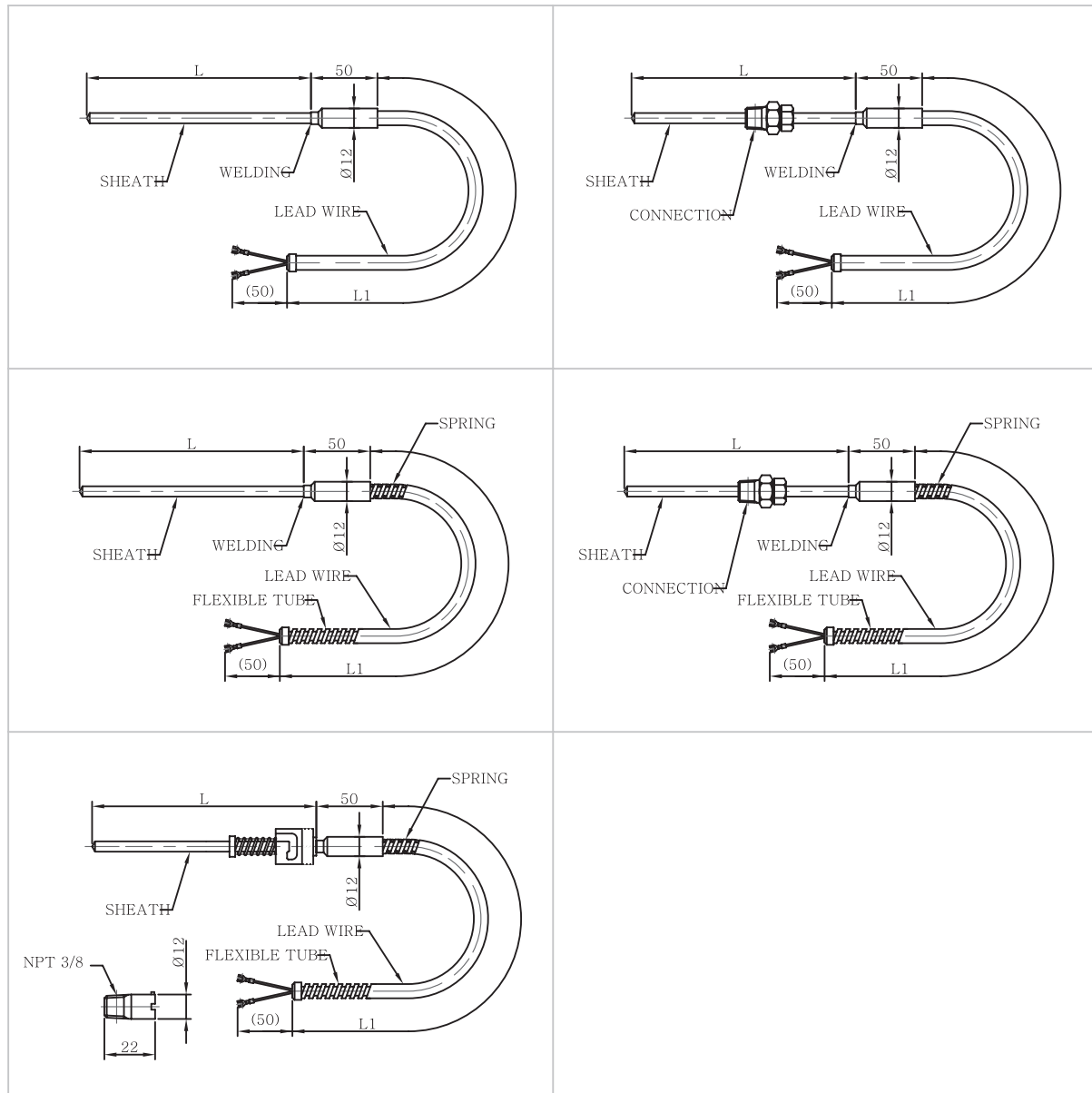
Code(9)	Sheath Outer Diameter	
31	1.6mm	
32	3.2mm	
34	4.8mm	
36	6.4mm	
38	8.0mm	
Code(10)	Conduit Connection	
O	None	
A	1/2"PF	
B	1/2"PT	
C	1/2"NPT	
D	3/4"PF	
E	3/4"PT	
F	3/4"NPT	
Code(11)	Process Connection Size	Material
ZZ	None	None
H3	1/2"	304 SS
H4	1"	304 SS
H5	1 1/2"	304 SS
M3	2"	304 SS
M4	1/2"	316 SS
M5	1"	316 SS
M6	1 1/2"	316 SS
M7	2"	316 SS
X	Others	
Code(12)	Connection Type	
0	None	
2	PT	
3	PF	
4	NPT	
8	NPS	
F01	ANSI 150# RF	
F02	ANSI 150# FF	
F03	ANSI 300# RF	
F04	ANSI 300# FF	
F05	ANSI 600# RF	
F15	JIS 10K RF	
F16	JIS 10K FF	
F17	JIS 20K RF	
F18	JIS 20K FF	
9	Compression fitting connector	
F99	Others	

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Code(13)	Lead wire diameter
33	0.18mm(AWG 33)
30	0.25mm(AWG 30)
24	0.51mm(AWG 24)
21	0.72mm(AWG 21)
18	1.02mm(AWG 18)
16	1.27mm(AWG 16)
14	1.63mm(AWG 14)
XX	Others
Code(14)	Sensor Immersion Length(L)
L0100	100mm
L0150	150mm
L0200	200mm
L0250	250mm
L0300	300mm
L0350	350mm
L0400	400mm
L0450	450mm
L0500	500mm
L0550	550mm
L0600	600mm
L0700	700mm
L0800	800mm
L0900	900mm
L1000	1000mm
XXXXX	Others
Code(15)	Tolerance Grade
A0	ANSI Grade(STD)
A1	ASTM Grade (STD)
A2	IEC (STD)
A3	ANSI Grade (SP)
Code(16)	Calibrate certifications
N	Not apply
T1	Test Report by Manufacturer
Code(17)	Accessory Options
0	Not apply
1	Thermowell
X	Others
Sample ordering code : Thermocouple;	
TE065KS2GU331336ZM340150K2T1	

Please consult factory for full specification/ Data sheet.

THERMOCOUPLE EXTENSION LEAD WIRE TYPE (AM-TE06 Series)



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