

**Features**

- Mineral insulated cable.
- Spring loaded design for positive contact with thermowell
- Available in various connections & sheath diameters
- Enclosures (Head)  
Weatherproof IP - 67  
Flameproof Gr. IIA, IIB  
Explosion proof IIA, IIB, IIC
- Transmitter output 4 - 20 mA (Optional)
- Reference standard : IEC - 584.2 / ANSI MC - 96.1

**Applications**

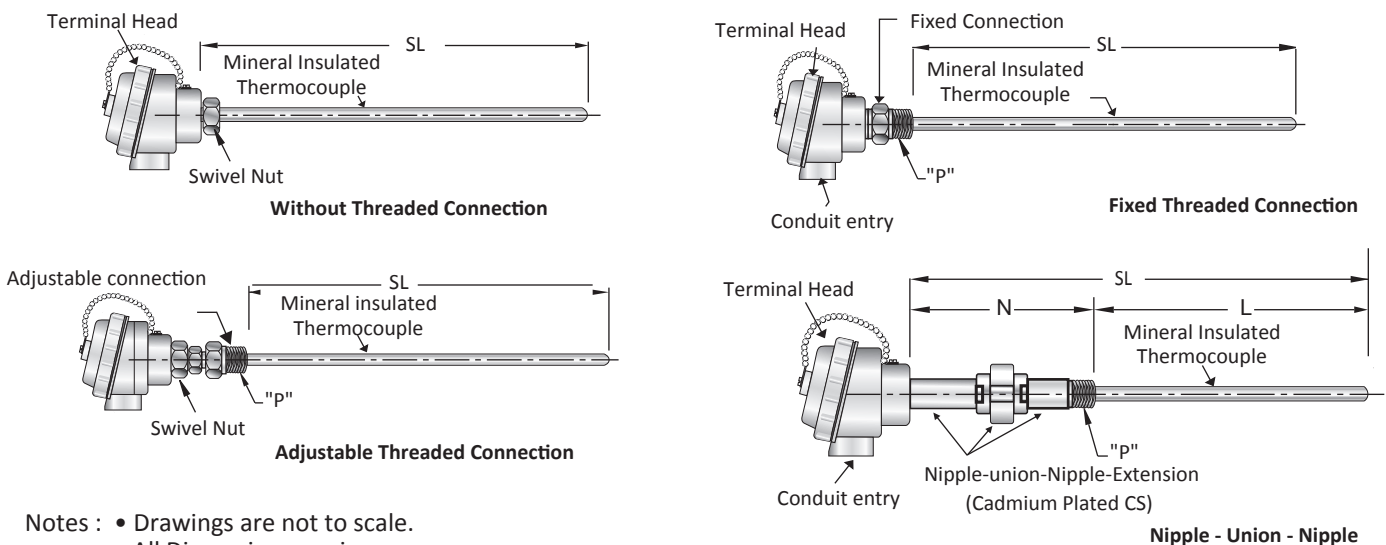
- Such design is generally used in all industries, machinery manufactures, bearing temp. measurement etc. where space is limited.

**Specifications**

**Standard Version**

No of elements	: Simplex
Element type	: Chromel - Alumel (K type)
Accuracy	: Class 2 as per IEC - 584.2 / ANSI MC - 96.1
Hot junction type	: Ungrounded junction
Sheath diameter	: 6.0 mm
Sheath material	: SS 316
Terminal head type	: Screwed type, Weatherproof, IP-67 in Die Cast Aluminum
No of conduit entry	: One
Conduit entry size	: 3/4" ET(F)
Head extension type	: Without threaded connection
Sheath length "SL" below head	: 150 mm
Tag plate	: SS tag plate

**Dimensional Details**



Notes : • Drawings are not to scale.  
• All Dimensions are in mm.

Note: Design and Specifications subject to change without prior notice.

**How To Order** - Ordering Example : 2511TC: TNUN.1.K.1.G.6.SS.SWP.1.34ET.SN.150mm.2NPM.C5

<b>Basic Model</b>	<b>2511TC : TNUN</b>
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Code	No of Element
1	Simplex (Standard)
2	Duplex (Above sheath dia. 3 mm)

Code	Elements Type
K	Chromel-Alumel (Standard)
J	Iron-Constantan
T	Copper-Constantan
E	Chromel-Constantan
R	Platinum 13% Rhodium - Platinum*
S	Platinum 10% Rhodium - Platinum*
B	Platinum 6% Rhodium - Platinum 30% Rhodium*
N	Nicrosil - Nisil

\*Non MI Beaded (Sheath diameter 6 mm & above)

Code	Accuracy
1	Class 1 as per IEC - 584.2 / ANSI MC - 96.1
2	Class 2 as per IEC - 584.2 / ANSI MC - 96.1 (Std.)

Code	Hot Junction Type
G	Grounded Junction
UG	Un-grounded Junction (Std.)

Code	Sheath Diameter	Code	Sheath Diameter
1	1.0 mm*	4.5	4.5 mm
1.5	1.5 mm*	6	6.0 mm (Std.)
2	2.0 mm*	8	8.0 mm
3	3.0 mm	12	12.7 mm

Others, Please specify.

\* Applicable for Simplex Elements only.

Code	Sheath Material	Code	Sheath Material
SS	SS 316 (Standard)	SS31	SS 310
SSL	SS 316L	I6	Inconel 600

Code	Terminal Head Type	For others please consult factory
SFP	Screwed type, flameproof, IP-67, Gr. IIA IIB in Die-cast Aluminum	
SEP	Screwed type, explosion proof, IP-67, Gr.IIC in Die-cast Aluminum	
HWP	Hinged type,weatherproof,IP-67 in Die-cast Aluminum	
2SWP	Weatherproof Head, IP-67 in Die-cast Aluminum with cover fitted with two screws.	
SWP	Screwed type, weatherproof, IP-65 in Die Cast Aluminum (Standard)	
3WP	Terminal head in SS 304 - WP, IP-67	
6WP	Terminal head in SS 316 - WP, IP-67	

Code	No of Conduit Entry / Entries	Code	No of Conduit Entry / Entries
1	One (Std.)	2	Two

Code	Conduit Entry Size	Code	Conduit Entry Size
34ET	3/4" ET(F) (Standard)	2NPF	1/2" NPT(F)
34NPF	3/4" NPT(F)		

Code	Head Extension Type
SN	Head with swivel nut
N	Head with nipple extension
NU	Head with nipple union extension
NUN	Head with nipple union nipple extension
FC	Fixed threaded connection
AC	Adjustable threaded connection

Code	Sheath Length 'SL' Below Head / L
XX	Specify in mm

Code	Process connection
2NPM	1/2" NPT (M)
2NPF	1/2" NPT (F)
2BSF	1/2" BSP (F)
34NPM	1/2" NPT (M)
34NPF	3/4" NPT (F)
34BSM	3/4" BSP (M)
34BSF	3/4" BSP (F)

Code	Options
HMTx	Head mounted transmitter (4-20 mA)
BP	SS base plate suitable for temperature transmitter mounting
PCS	Plug for conduit entry in Carbon Steel
PSS3	Plug for conduit entry in SS 304
PSS	Plug for conduit entry in SS 316
SCBW	S. C. cable gland in Nickel plated Brass - WP
DCBW	D. C. cable gland in Nickel plated Brass - WP
SC3W	S. C. cable gland in SS 304 - WP
DC3W	D. C. cable gland in SS 304 - WP
SC6W	S. C. cable gland in SS 316 - WP
DC6W	D. C. cable gland in SS 316 - WP
SCBF	S. C. cable gland in nickel plated brass - FLP
DCBF	D. C. cable gland in nickel plated brass - FLP
SC3F	S. C. cable gland in SS 304 - FLP
DC3F	D. C. cable gland in SS 304 - FLP
SC6F	S. C. cable gland in SS 316 - FLP
DC6F	D. C. cable gland in SS 316 - FLP
HN5C	Head with nipple extension 50 mm in CS
HN53	Head with nipple extension 50 mm in SS 304
HN56	Head with nipple extension 50 mm in SS 316
HN1C	Head with nipple union extension 100 mm in CS
HN13	Head with nipple union extension 100 mm in SS 304
HN16	Head with nipple union extension 100 mm in SS 316
HN5C	Head with nipple union nipple extension 150 mm in CS
HN53	Head with nipple union nipple extension 150 mm in SS 304
HN56	Head with nipple union nipple extension 150 mm in SS 316
AC	Adjustable threaded connection
C5	Calibration certificate
ST	SS tag plate

When selecting option "C5", please also specify temp. Points at which calibration is to be carried out .

2. Explanations of Abbreviations used:

SC = Single Compression SS = Stainless Steel

DC = Double Compression FLP = Flameproof WP = Weatherproof

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