

THERMOCOUPLE & COMPENSATING CABLES



 **TEMPSENS**

INTERNATIONAL COLOUR CODES FOR THERMOCOUPLE CABLE INSULATION

Thermocouple Type	BRITISH BS : 1843	AMERICAN ANSI MC 96-1	GERMAN DIN 43710-4	INDIAN IS : 8784	Material of Extension Cable	mV output		
EXTENSION					(+) Lead	(-ve) Lead	100°C	200°C
K	Chromel/Alumel 				Ni/Cr	Ni/Al	4.10	8.13
J	Iron/Constantan 				Iron	Constantan	5.26	10.77
T	Copper/Constantan 				Copper	Constantan	4.24	9.17
E	Chromel/Constantan 				Ni/Cr	Constantan	6.31	13.42
COMPENSATING								
Vx	Copper/Constantan (Compensating for Type K) 				Copper	Constantan	4.10	
Rx/Sx	Copper/Cupronic (Compensating for Type R or S) 				Copper	Cupronic	0.645	

STANDARD CONFIGURATION AVAILABLE

S.No.	SIZE	TYPE OF CABLE	DESCRIPTION
01.	3/22	PVC/PVC	Each core insulated with tested PVC and both cores under common tested PVC sheathing
02.	3/22	PVC/PVC ASBESTOS	As per Item No. 1 with an additional insulation for Asbestos yarn.
03.	3/22	PVC/PVC/ASB/GI	As per Item No. 2 with an additional braiding of GI.
04.	3/22	PVC/PVC/GI	As per Item No. 1 with an additional braiding of GI wire also.
05.	3/22	PVC/ASB	Each core insulated with tested PVC and both cores under common ASB braiding.
06.	3/22	FG/FG	Each core insulated with double FG and both cores under common FG braiding and varnishing.
07.	3/22	FG/FG/SS	As per Item No. 6 with an additional braiding of stainless steel wires.
08.	3/24	FG/FG/ASB	As per Item No. 6 with common Asb braiding.
09.	3/22	ASB/ASB	Each core well insulated with double POLYSTER film then compounding, then double FG yarn insulation and varnish. Then Asbestos insulation on each core. Both cores under common Asb braiding.
10.	3/22	ASB/ASB/GI	As per Item No. 9 with additional braiding of GI wires also.
11.	1/26 or 7/36	TEFLON/TEFLON	Each core insulated with TEFLON and both cores under common Teflon insulation.
12.	7/36	TEFLON/TEFLON/SS	Same as Item No. 11 but with additional overall STAINLESS STEEL braiding.
13.	7/36	TEFLON/TEFLON/FG	Same as Item no. 11 but with additional overall FIBRE GLASS braiding.
14.	7/36	TEFLON/TEFLON/FG/SS	Same as Item No. 13 but with overall STAINLESS STEEL braiding.
15.	40/36	NEOPRENE RUBBER	Each core insulated with NEOPRENE rubber and both cores under common Neoprene Rubber insulation.

Manufactured by :

TEMSENS INSTRUMENTS (I) PVT. LTD.

B-188 A, MIA, Madri, Udaipur-313001 India.

Phone : 492127, 492128

Fax : (0294) 526649, 525841

Marketed by :

PYROTECH MKTG. & PROJECTS PVT. LTD.

608, Shakuntala Apartments,

59, Nehru Place, New Delhi-110 019

Phone : 6419702, 6469113, Fax: (011) 6464922

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