

K Type Thermocouple Extension Cable

KXYY (1-50) Pairs x 1.5 mm² 300 V

(Chromel-Alumel Conductor, PVC Insulated, Individual or Collective Screen, PVC Sheathed)

Standard Specification : IEC 60584, ANSI MC 96.1

Construction Data

No. of pairs	Size			
	1.5 mm ²			
	Collective Screen		Individual Screen	
	Overall Diameter	Cable Weight	Overall Diameter	Cable Weight
	approx.	approx.	approx.	approx.
	mm	kg/km	mm	kg/km
1	9.9	137	-	-
2	12.8	199	14.6	313
3	14.9	243	15.5	359
4	16.7	302	16.9	423
5	18.3	386	18.5	427
6	19.7	431	21.5	529
7	21.0	474	21.5	542
9	23.5	584	25.5	685
10	25.0	650	27.5	766
12	27.0	759	30.0	899
14	29.0	879	31.5	1,035
15	30.0	959	33.5	1,127
16	30.5	1,012	35.0	1,202
18	32.5	1,107	37.5	1,321
19	33.0	1,160	37.5	1,378
20	34.0	1,255	39.5	1,554
24	37.0	1,457	46.5	1,775
30	41.0	1,793	49.5	2,161
36	45.0	2,150	54.0	2,591
40	47.5	2,360	56.0	2,839
48	51.5	2,823	63.0	3,413
50	52.5	2,928	64.5	3,541

Application :
For transmission of thermoelectric voltage from measuring junction to reference junction.

Special Features on Request

- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated

Note :

Conductor Shape

All construction supplied in solid (re) or circular stranded (rm)

Standard Packing

All conductor supplied in wooden drum @ 1000 m

Length tolerance per drum $\pm 2\%$

Size of drain wire : 0.5 mm²

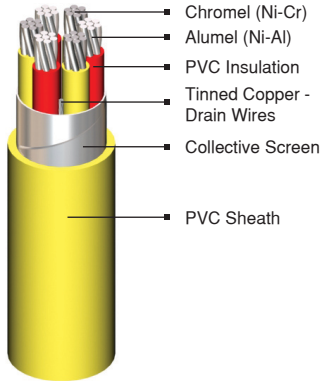


Fig. 01 : Collective Screen

Material & Color Code

Type	KX		
Material	(+)	Chromel	
		Alumel	
Limit of Error - (Temp. Range)	IEC 60584	Class 1	$\mu 1.5\text{ }^{\circ}\text{C} / \mu 60\text{ mV (-25 ~ 200 }^{\circ}\text{C)}$
		Class 2	$\mu 2.5\text{ }^{\circ}\text{C} / \mu 100\text{ mV (-25 ~ 200 }^{\circ}\text{C)}$
	ANSI MC - 96.1	$\mu 2.2\text{ }^{\circ}\text{C (0 ~ 200 }^{\circ}\text{C)}$	
Color Code	Insulation	(+)	Yellow
		(-)	Red
	Jacket	Yellow	

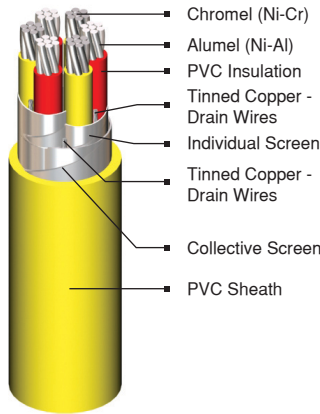


Fig. 02 : Individual Screen

Electrical Data

Conductor		AC
Normal Cross Section	Nominal Value Loop Resistance at 20 °C	Voltage Test
mm ²	/km	volt/1 min.
1.5	680	1000