

# E Type Thermocouple Extension Cable

## EXYY (1-50) Pairs x 1.5 mm<sup>2</sup> 300 V

(Chromel-Constantan 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 <sup>2</sup>			
	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	200	14.6	314
3	14.9	244	15.5	361
4	16.7	304	16.9	425
5	18.3	389	18.5	430
6	19.7	434	21.5	530
7	21.0	477	21.5	546
9	23.5	589	25.5	689
10	25.0	655	27.5	771
12	27.0	764	30.0	905
14	29.0	886	31.5	1,042
15	30.0	967	33.5	1,135
16	30.5	1,021	35.0	1,210
18	32.5	1,116	37.5	1,330
19	33.0	1,170	37.5	1,387
20	34.0	1,266	39.5	1,566
24	37.0	1,470	46.5	1,788
30	41.0	1,808	49.5	2,176
36	45.0	2,168	54.0	2,609
40	47.5	2,380	56.0	2,859
48	51.5	2,847	63.0	3,437
50	52.5	2,953	64.5	3,567

#### 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
- Heat Resistance
- 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 mm<sup>2</sup>

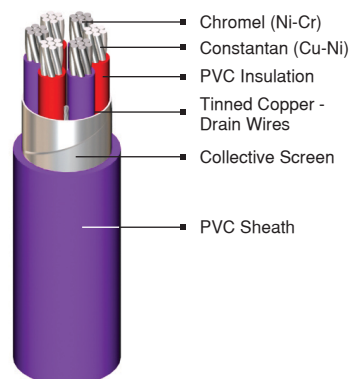


Fig. 01 : Collective Screen

### Material & Color Code

Type	EX		
Material	(+)	Chromel	
	(-)	Constantan	
Limit of Error - (Temp. Range)	IEC 60584	Class 1	$\mu 1.5\text{ }^\circ\text{C} / \mu 120\text{ mV} (-25 \sim 200\text{ }^\circ\text{C})$
		Class 2	$\mu 2.5\text{ }^\circ\text{C} / \mu 200\text{ mV} (-25 \sim 200\text{ }^\circ\text{C})$
	ANSI MC - 96.1	$\mu 1.7\text{ }^\circ\text{C} (0 \sim 200\text{ }^\circ\text{C})$	
Color Code	Insulation	(+)	Purple
		(-)	Red
	Jacket	Purple	

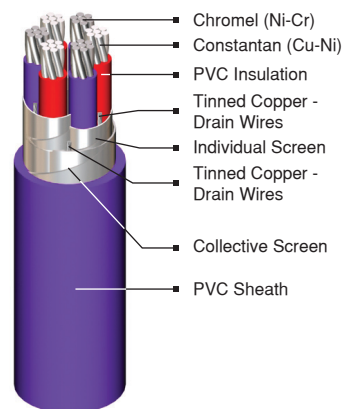


Fig. 02 : Individual Screen

### Electrical Data

Conductor		AC
Normal Cross Section	Nominal Value Loop Resistance at 20 °C	Voltage Test
mm <sup>2</sup>	/km	volt/1 min.
1.5	831	1000