

# THERMOCOUPLE EXTENSION WIRE

PVC insulated; 105°C



## Features:

- Low cost
- Flame retardant
- Resistant to hydrocarbons and most chemicals
- Small outer diameter

## Applications:

- Laboratories
- Petrochemical industry
- Test stands

## Specifications:

Conductors	:	thermocouple extension grade according to ITS 1990
Insulation	:	105 °C PVC, 0,4 mm nominal
Construction	:	parallel conductors
Jacket	:	90 °C PVC, 0,4 mm nominal
Operating temperature (max.)	:	insulation 105 °C; jacket 90 °C
Lower flexibility limit	:	-15 °C
Limits of error	:	according to ANSI MC 96.1/IEC-584
Colour code	:	according to ANSI MC 96.1/IEC-584

### Calibration

Iron-constantan	JX
Chromel-alumel	KX
Copper-constantan	TX
Nicrosil-nisil	NX
Type S compensating	SX

## Dimensions and weight:

(nominal values)

### Conductor size

AWG	∅ mm	outer ∅ mm	weight/km
14	1,6	3,7 x 6,3	47,6 kg
16	1,3	2,8 x 4,8	34,2 kg
18	1,0	2,5 x 4,3	23,8 kg
20	0,8	2,3 x 3,9	17,8 kg
20F	7 x 0,3	2,5 x 4,2	18,1 kg

## Ordering code:

### Calibration

Iron-constantan  
Chromel-alumel  
Copper-constantan

### 16 AWG

P/P-16-JX  
P/P-16-KX  
P/P-16-TX

### ANSI

9152171  
9152173  
9152176

### 20 AWG

P/P-20-JX  
P/P-20-KX  
P/P-20-TX

### ANSI/IEC

9152172/9152183  
9152174/9152185  
9152177

Nicrosil-nisil  
Type S compensating

P/P-20-NX  
P/P-20-SX

9152179/9152181



Thermo Electric  
P.O. Box 179  
2740 AD Waddinxveen  
The Netherlands

Tel. : +31 (0)182 – 302 850  
Fax : +31 (0)182 – 302 777  
E-mail : info@thermo-electric.nl  
Internet: http://www.thermo-electric.nl

F/2.150  
Rev.00 08/03