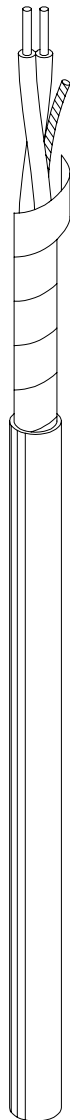


# THERMOCOUPLE EXTENSION WIRE

PVC insulated, shielded; 105 °C ,UL Listed



## Features:

- UL listed PLTC 300 Volt
- Flame retardant IEEE-383
- Meets NEC Art. 725 Class I, division 2, hazardous locations

## Applications:

- Petrochemical industry
- Laboratories

## Specifications:

### Construction

Conductors	:	1,3 mm <sup>2</sup> (16 AWG) or 0,5 mm <sup>2</sup> (20 AWG) solid extension grade according to ITS 1990
Insulation	:	105° PVC, 0,4 mm nominal
Construction	:	twisted conductors
Lay of twist	:	55 mm nominal
Shield	:	0,05 mm polyester-backed aluminium tape, 100% coverage and 35% overlap
Drain wire	:	0,9 mm <sup>2</sup> (18 AWG), 7 strands, tinned copper
Jacket	:	90°C PVC, 0,5 mm nominal (0,9 for UL)
Limits of error	:	according to ANSI MC 96.1/IEC-584
Colour code	:	according to IEC-584

### Electrical/Physical

Insulation passes 3000 V AC spark test.  
Completed construction passes a dielectric test of 2500 V AC for 10 sec (conductor to conductor and conductor to shield).

Conductor resistance	:	see sheet table
Capacitance (conductor to conductor)	:	187 nF/km nominal
Inductance	:	less than 1 mH/km
Circuit voltage rating	:	300 V max.
Operation temperature (max.)	:	insulation 105°C, jacket 90°C
Lower flexibility limit	:	-15°C
Flame test	:	flame retardant as per IPCEA S-61-402

## Dimensions and weight:

(nominal values)

Conductor size			outside Ø mm		weight kg/km	min. bend radius
AWG	Ø mm	mm <sup>2</sup>	non UL	UL		
16	1,3	1,3	5,5	7,2	60	32
20	0,8	0,5	4,6	5,8	30	26

## Ordering code:

### Calibration

Iron-constantan  
Chromel-alumel  
Copper-constantan  
Other calibration on request

### 16 AWG/20AWG

UP/ALPTW-16-JX IEC 9152222  
UP/ALPTW-16-KX IEC 9152224  
UP/ALPTW-20-JX IEC 9152223  
UP/ALPTW-20-KX IEC 9152225  
U/PALPTW-20-TX IEC 9152226

### Stockno.

Also available in ANSI MC 96.1 colour code  
Wire is also available with out UL listed outer sheet



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