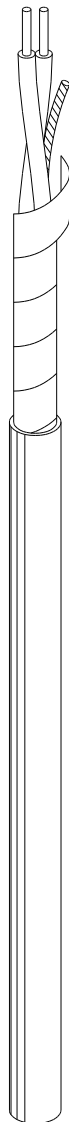


THERMOCOUPLE EXTENSION WIRE

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