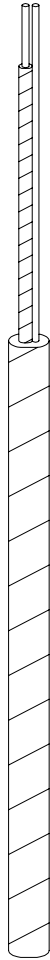


# THERMOCOUPLE WIRE

## DuoWrap Kapton® insulated; 285°C



### Features:

- Superior chemical resistance
- Very small outer diameter
- Superior abrasion and cut-thru resistance
- Temp. range -265 to 400 °C (max.)

### Applications:

- Cryogenic temperatures
- Aerospace industry
- Laboratories and test stands
- Wiring and measurement in tiny spaces

### Specifications:

Conductors	:	0,25 mm (30 AWG) solid, Class 1 thermocouple material
Insulation (neg. conductor only)	:	FEP backed Kapton® fused tape, wrapped with 50% overlap; total thickness after fusing 0,08 mm nominal;
Construction	:	parallel conductors
Jacket	:	FEP backed Kapton® fused tape, wrapped with 50% overlap; total thickness after fusing 0,10 mm nominal;
Limits of error	:	according to ANSI MC 96.1/IEC-584
Identification	:	the negative (-) conductor has a parallel fibreglass tracer (red)
<b>Electrical/Physical</b>		
Operating temperature (max.)	:	285 °C (400 °C for limited duration)
Operating temperature (min.)	:	-265 °C
Flammability	:	self-extinguishing
Chemical resistance	:	excellent
Radiation resistance	:	10 <sup>9</sup> rad.
Bend radius test (min.)	:	4 x o.d.

### Dimensions and weight:

(nominal values)

#### Conductor size

AWG	∅ mm	outer ∅ mm	weight/km
30	0,25	0,6 x 0,9	2,1 kg

### Ordering code:

Calibration	30 AWG	Stock number
Iron-constantan	Hf/D-30-JJ ANSI	
	Hf/D-30-JJ IEC	9151577
Chromel-alumel	Hf/D-30-KK ANSI	
	Hf/D-30-KK IEC	9151578
Copper-constantan	Hf/D-30-TT ANSI	
	Hf/D-30-TT IEC	9151579
Chromel-constantan	Hf/D-30-EE IEC	9151580

® Trademark Dupont



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