

THERMOCOUPLE WIRE

Kapton[®] insulated, colour coded; 260°C



Features:

- Max. temperature up to 400 °C
- Min. temperature -265 °C
- Very high abrasion resistance

Applications:

- Nuclear industry
- Cryogenics

Specifications:

Conductors	:	solid, Class 1 or 2 thermocouple grade material
Insulation	:	Kapton [®] fused tape with 50% min. overlap; 0,15 mm nominal; coated with 0,025 mm colour coded polyamide
Construction	:	parallel conductors
Jacket	:	Kapton [®] fused tape with 50% min. overlap; 0,15 mm nominal
Limits of error	:	according to ANSI MC 96.1 and IEC-584
Colour code	:	according to ANSI MC 96.1 and IEC-584 other colours optional

Electrical/Physical

Insulation passes 6000 V AC spark test.

Completed construction passes a dielectric test of 5000 V DC for 1 minute (conductor-to-conductor); 0,15 mm wall breakdown strength in excess of 10 KV

Operating temperature (max.)	:	285 °C (400 °C for limited duration)
Operating temperature (min.)	:	-265 °C
Flammability	:	self-extinguishing
Chemical resistance	:	excellent
Radiation resistance	:	10 ⁹ rad.
Bend radius test (min.)	:	4 x o.d.

Dimensions and weight:

(nominal values)

Conductor size

AWG	∅ mm	outer mm	weight/km
20	0,8	1,5 x 2,6	11,5 kg
28	0,32	1,0 x 1,6	4,1 kg

Ordering code:

Calibration

Iron-constantan
Chromel-alumel
Copper-constantan

20 AWG

K/K-20-JJ ANSI
K/K-20-KK ANSI
K/K-20-TT ANSI

Stock

28 AWG

K/K-28-KK ANSI
K/K-28-TT ANSI

Stock

® Trademark Dupont



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

E/1.301
Rev.00 08/03