

# THERMOCOUPLE WIRE

Fibreglass insulated; 510 °C



## Features:

- Max. temperature up to 650 °C
- Excellent physical properties
- Excellent dielectric constant
- High thermal endurance
- Optional coatings available for higher strength

## Applications:

- Heat treatment
- Steel and aluminium industry
- Furnace surveying
- Testing

## Specifications:

Conductors	:solid, thermocouple grade materials
Insulation	:braided or lapped (≥24 AWG) Fibreglass, hi-temp saturated
Construction	:parallel conductors
Jacket	:braided fibreglass, hi-temp saturated
Operating temperature	:510 °C (650 °C short term)
Limits of error	:according to ANSI MC 96.1/IEC-60584
Colour code	:according to ANSI MC 96.1/IEC-60584

## Dimensions and weight:

(nominal values)

### Conductor size

AWG	Ø mm	outer Ø mm	weight/km
16	1,3	2,1 x 3,8	30,0 kg
20	0,8	1,4 x 2,5	13,4 kg
24	0,5	1,0 x 1,7	6,2 kg
30	0,25	0,8 x 1,2	3,3 kg
32	0,2	0,8 x 1,1	3,2 kg
36	0,13	0,7 x 1,1	3,0 kg

## Ordering code:

Calibration	20 AWG	Stock #	24 AWG	Stock #	30 AWG	Stock #
Iron-constantan	G/G-20-JJ ANSI		G/G-24-JJ ANSI		G/G-30-JJ ANSI	
	G/G-20-JJ IEC	9151635	G/G-24-JJ IEC	9151636	G/G-30-JJ IEC	9151637
Chromel-alumel	G/G-20-KK ANSI		G/G-24-KK ANSI	9151627	G/G-30-KK ANSI	9151628
	G/G-20-KK IEC	9151638	G/G-24-KK IEC	9151639	G/G-30-KK IEC	9151641
Copper-constantan	G/G-20-T ANSI	9151629	G/G-24-TT ANSI		G/G-30-TT ANSI	
	G/G-20-T IEC		G/G-24-TT IEC		G/G-30-TT IEC	

Also available in thermocouple extension grade and/or different wire sizes