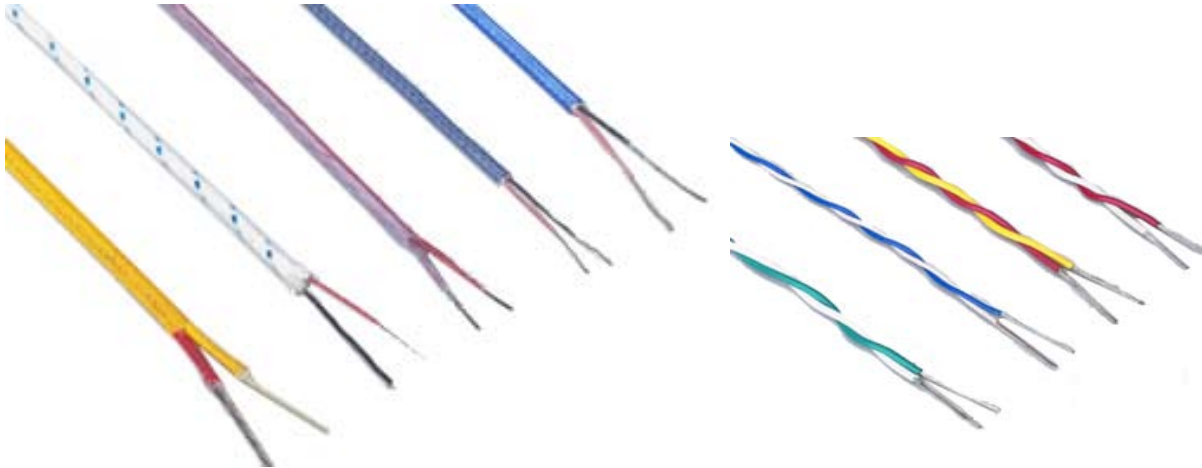




## FEP Insulated Thermocouple Wire and Extension Wire



### **Product application:**

FEP Insulated Thermocouple Wire may be used for general use extension wire for thermocouples

### **Product characteristic:**

#### **Construction:**

- Solid or stranded thermocouple wire
- Flame retardant extruded fluoropolymer FEP insulation
- Parallel conductors
- Flame retardant extruded fluoropolymer FEP jacket

#### **Technical:**

- Maximum temp up to +200° C, continuous 250°C
- Minimum Bend Radius: insulation 3 x cable Ø  
overall 5 x cable Ø
- Limits of Error: Conforms to ASTM E230, IEC 584, and ANSI MC 96.1
- Color Code: Conforms to ANSI, IEC, JIS

#### **Properties:**

- Excellent abrasion, chemical and moisture resistance
- Service temperature of 200 ° C
- Low friction factor when pulled
- Flame retardant; non-propagating in fire conditions



### Product specification:

Type K Thermocouple Wire  
Chromel/Alumel Thermocouple Wire Type K

AWG	Conductor Cross Section mm <sup>2</sup>	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
30	0.05	0.1	0.15	0.76/1.21	3
24	0.2	0.2	0.25	1.42/2.33	9
24	0.2	0.2	0.25	0.15/2.54	10
20	0.5	0.2	0.25	1.73/2.95	18
20	0.5	0.2	0.25	1.88/3.25	19
16	1.5	0.2	0.25	2.21/3.91	36

Type K Thermocouple Wire - Extension Grade  
Chromel/Alumel Extension Grade Thermocouple Wire Type K

AWG	Conductor Cross Section mm <sup>2</sup>	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
30	0.05	0.1	0.15	0.76/1.21	3
24	0.2	0.2	0.25	1.42/2.33	9
24	0.2	0.2	0.25	0.15/2.54	10
20	0.5	0.2	0.25	1.73/2.95	18
20	0.5	0.2	0.25	1.88/3.25	19
16	1.5	0.2	0.25	2.21/3.91	36

Type J Thermocouple Wire  
Iron/Constantan Thermocouple Wire Type J

AWG	Conductor Cross Section mm <sup>2</sup>	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
30	0.05	0.1	0.15	0.76/1.21	3
24	0.2	0.2	0.25	1.42/2.33	9
24	0.2	0.2	0.25	0.15/2.54	10
20	0.5	0.2	0.25	1.73/2.95	18
20	0.5	0.2	0.25	1.88/3.25	19
16	1.5	0.2	0.25	2.21/3.91	36



### Type J Thermocouple Wire - Extension Grade Iron/Constantan Extension Grade Thermocouple Wire Type J

AWG	Conductor Cross Section mm <sup>2</sup>	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
30	0.05	0.1	0.15	0.76/1.21	3
24	0.2	0.2	0.25	1.42/2.33	9
24	0.2	0.2	0.25	0.15/2.54	10
20	0.5	0.2	0.25	1.73/2.95	18
20	0.5	0.2	0.25	1.88/3.25	19
16	1.5	0.2	0.25	2.21/3.91	36

### Type T Thermocouple Wire Copper/Constantan Thermocouple Wire Type T

AWG	Conductor Cross Section mm <sup>2</sup>	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
30	0.05	0.1	0.15	0.76/1.21	3
24	0.2	0.2	0.25	1.42/2.33	9
24	0.2	0.2	0.25	0.15/2.54	10
20	0.5	0.2	0.25	1.73/2.95	18
20	0.5	0.2	0.25	1.88/3.25	19
16	1.5	0.2	0.25	2.21/3.91	36

### Type T Thermocouple Wire - Extension Grade Copper/Constantan Extension Grade Thermocouple Wire Type T

AWG	Conductor Cross Section mm <sup>2</sup>	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
30	0.05	0.1	0.15	0.76/1.21	3
24	0.2	0.2	0.25	1.42/2.33	9
24	0.2	0.2	0.25	0.15/2.54	10
20	0.5	0.2	0.25	1.73/2.95	18
20	0.5	0.2	0.25	1.88/3.25	19
16	1.5	0.2	0.25	2.21/3.91	36



## High Temperature Thermocouple Cables

[www.caledonian-cables.co.uk](http://www.caledonian-cables.co.uk)

### Type E Thermocouple Wire

Chromel/Constantan Thermocouple Wire Type E

AWG	Conductor Cross Section mm <sup>2</sup>	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
30	0.05	0.1	0.15	0.76/1.21	3
24	0.2	0.2	0.25	1.42/2.33	9
24	0.2	0.2	0.25	0.15/2.54	10
20	0.5	0.2	0.25	1.73/2.95	18
20	0.5	0.2	0.25	1.88/3.25	19
16	1.5	0.2	0.25	2.21/3.91	36

### Type E Thermocouple Wire - Extension Grade

Chromel/Constantan Extension Grade Thermocouple Wire Type E

AWG	Conductor Cross Section mm <sup>2</sup>	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
30	0.05	0.1	0.15	0.76/1.21	3
24	0.2	0.2	0.25	1.42/2.33	9
24	0.2	0.2	0.25	0.15/2.54	10
20	0.5	0.2	0.25	1.73/2.95	18
20	0.5	0.2	0.25	1.88/3.25	19
16	1.5	0.2	0.25	2.21/3.91	36

### Type N Thermocouple Wire

Nicrosil/Nisil Thermocouple Wire Type N

AWG	Conductor Cross Section mm <sup>2</sup>	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
30	0.05	0.1	0.15	0.76/1.21	3
24	0.2	0.2	0.25	1.42/2.33	9
24	0.2	0.2	0.25	0.15/2.54	10
20	0.5	0.2	0.25	1.73/2.95	18
20	0.5	0.2	0.25	1.88/3.25	19
16	1.5	0.2	0.25	2.21/3.91	36



Type N Thermocouple Wire - Extension Grade  
Nicrosil/Nisil Extension Grade Thermocouple Wire Type N

AWG	Conductor Cross Section mm <sup>2</sup>	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
30	0.05	0.1	0.15	0.76/1.21	3
24	0.2	0.2	0.25	1.42/2.33	9
24	0.2	0.2	0.25	0.15/2.54	10
20	0.5	0.2	0.25	1.73/2.95	18
20	0.5	0.2	0.25	1.88/3.25	19
16	1.5	0.2	0.25	2.21/3.91	36

