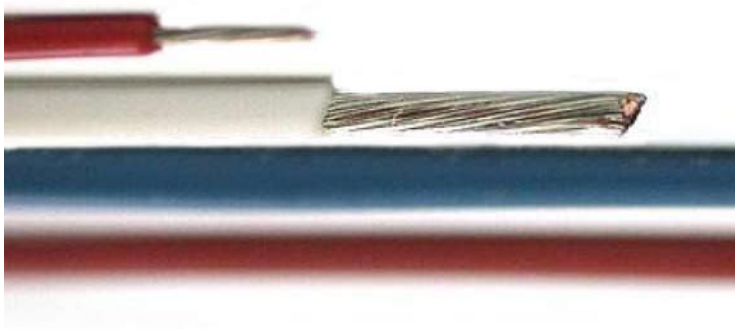




## TFE Insulated Thermocouple Wire and Extension Wire



### **Product application:**

TFE Thermocouple Wire may be used for aircraft and petroleum processing

### **Product characteristic:**

#### **Construction:**

- Solid or stranded thermocouple wire
- Fused TFE tape insulation
- Parallel conductors
- Flame retardant extruded fluoropolymer TFE jacket

#### **Technical:**

- Continuous temperature rating: 260°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 260°C
- Low friction factor when pulled
- Flame retardant; non-propagating in fire conditions



### Product specification:

TFE Insulated Type J Thermocouple Wire  
Iron/Constantan TFE Thermocouple Wire 260°C

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
26	0.406	0.152	0.203	1.12*1.83	6
24	0.508	0.152	0.203	1.19*1.95	7.5
24S*(7/32)	0.61	0.152	0.203	1.24*2.13	8.9
20	0.813	0.152	0.203	1.55*2.69	16.4
20S*(7/28)	0.965	0.152	0.203	1.63*2.84	17.9
18	1.02	0.152	0.203	1.73*3.05	23.8
18S*(7/26)	1.22	0.152	0.203	1.93*3.45	26.8
16	1.29	0.254	0.203	2.21*4.01	37.3
16S*(7/24)	1.52	0.254	0.203	2.44*4.47	40.2

TFE Insulated Extension Grade Type JX Thermocouple Wire  
Iron/Constantan TFE Thermocouple Wire 260°C - Extension Grade

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
26	0.406	0.152	0.203	1.12*1.83	6
24	0.508	0.152	0.203	1.19*1.95	7.5
24S*(7/32)	0.61	0.152	0.203	1.24*2.13	8.9
20	0.813	0.152	0.203	1.55*2.69	16.4
20S*(7/28)	0.965	0.152	0.203	1.63*2.84	17.9
18	1.02	0.152	0.203	1.73*3.05	23.8
18S*(7/26)	1.22	0.152	0.203	1.93*3.45	26.8
16	1.29	0.254	0.203	2.21*4.01	37.3
16S*(7/24)	1.52	0.254	0.203	2.44*4.47	40.2



## High Temperature Thermocouple Cables

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

TFE Insulated Type K Thermocouple Wire  
Chromel/Alumel TFE Thermocouple Wire 260°C

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
26	0.406	0.152	0.203	1.12*1.83	6
24	0.508	0.152	0.203	1.19*1.95	7.5
24S*(7/32)	0.61	0.152	0.203	1.24*2.13	8.9
20	0.813	0.152	0.203	1.55*2.69	16.4
20S*(7/28)	0.965	0.152	0.203	1.63*2.84	17.9
18	1.02	0.152	0.203	1.73*3.05	23.8
18S*(7/26)	1.22	0.152	0.203	1.93*3.45	26.8
16	1.29	0.254	0.203	2.21*4.01	37.3
16S*(7/24)	1.52	0.254	0.203	2.44*4.47	40.2

TFE Insulated Extension Grade Type KX Thermocouple Wire  
Chromel/Alumel TFE Thermocouple Wire 260°C - Extension Grade

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
26	0.406	0.152	0.203	1.12*1.83	6
24	0.508	0.152	0.203	1.19*1.95	7.5
24S*(7/32)	0.61	0.152	0.203	1.24*2.13	8.9
20	0.813	0.152	0.203	1.55*2.69	16.4
20S*(7/28)	0.965	0.152	0.203	1.63*2.84	17.9
18	1.02	0.152	0.203	1.73*3.05	23.8
18S*(7/26)	1.22	0.152	0.203	1.93*3.45	26.8
16	1.29	0.254	0.203	2.21*4.01	37.3
16S*(7/24)	1.52	0.254	0.203	2.44*4.47	40.2



TFE Insulated Type T Thermocouple Wire  
Copper/Constantan TFE Thermocouple Wire 260°C

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
26	0.406	0.152	0.203	1.12*1.83	6
24	0.508	0.152	0.203	1.19*1.95	7.5
24S*(7/32)	0.61	0.152	0.203	1.24*2.13	8.9
20	0.813	0.152	0.203	1.55*2.69	16.4
20S*(7/28)	0.965	0.152	0.203	1.63*2.84	17.9
18	1.02	0.152	0.203	1.73*3.05	23.8
18S*(7/26)	1.22	0.152	0.203	1.93*3.45	26.8
16	1.29	0.254	0.203	2.21*4.01	37.3
16S*(7/24)	1.52	0.254	0.203	2.44*4.47	40.2

TFE Insulated Extension Grade Type TX Thermocouple Wire  
Copper/Constantan TFE Thermocouple Wire 260°C - Extension Grade

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
26	0.406	0.152	0.203	1.12*1.83	6
24	0.508	0.152	0.203	1.19*1.95	7.5
24S*(7/32)	0.61	0.152	0.203	1.24*2.13	8.9
20	0.813	0.152	0.203	1.55*2.69	16.4
20S*(7/28)	0.965	0.152	0.203	1.63*2.84	17.9
18	1.02	0.152	0.203	1.73*3.05	23.8
18S*(7/26)	1.22	0.152	0.203	1.93*3.45	26.8
16	1.29	0.254	0.203	2.21*4.01	37.3
16S*(7/24)	1.52	0.254	0.203	2.44*4.47	40.2



## High Temperature Thermocouple Cables

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

TFE Insulated Type E Thermocouple Wire  
Chromel/Constantan TFE Thermocouple Wire 260°C

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
26	0.406	0.152	0.203	1.12*1.83	6
24	0.508	0.152	0.203	1.19*1.95	7.5
24S*(7/32)	0.61	0.152	0.203	1.24*2.13	8.9
20	0.813	0.152	0.203	1.55*2.69	16.4
20S*(7/28)	0.965	0.152	0.203	1.63*2.84	17.9
18	1.02	0.152	0.203	1.73*3.05	23.8
18S*(7/26)	1.22	0.152	0.203	1.93*3.45	26.8
16	1.29	0.254	0.203	2.21*4.01	37.3
16S*(7/24)	1.52	0.254	0.203	2.44*4.47	40.2

TFE Insulated Extension Grade Type EX Thermocouple Wire  
Chromel/Constantan TFE Thermocouple Wire 260°C - Extension Grade

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
26	0.406	0.152	0.203	1.12*1.83	6
24	0.508	0.152	0.203	1.19*1.95	7.5
24S*(7/32)	0.61	0.152	0.203	1.24*2.13	8.9
20	0.813	0.152	0.203	1.55*2.69	16.4
20S*(7/28)	0.965	0.152	0.203	1.63*2.84	17.9
18	1.02	0.152	0.203	1.73*3.05	23.8
18S*(7/26)	1.22	0.152	0.203	1.93*3.45	26.8
16	1.29	0.254	0.203	2.21*4.01	37.3
16S*(7/24)	1.52	0.254	0.203	2.44*4.47	40.2



TFE Insulated Type N Thermocouple Wire  
Nicrosil/Nisil TFE Thermocouple Wire 260°C

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
26	0.406	0.152	0.203	1.12*1.83	6
24	0.508	0.152	0.203	1.19*1.95	7.5
24S*(7/32)	0.61	0.152	0.203	1.24*2.13	8.9
20	0.813	0.152	0.203	1.55*2.69	16.4
20S*(7/28)	0.965	0.152	0.203	1.63*2.84	17.9
18	1.02	0.152	0.203	1.73*3.05	23.8
18S*(7/26)	1.22	0.152	0.203	1.93*3.45	26.8
16	1.29	0.254	0.203	2.21*4.01	37.3
16S*(7/24)	1.52	0.254	0.203	2.44*4.47	40.2

TFE Insulated Extension Grade Type NX Thermocouple Wire  
Nicrosil/Nisil TFE Thermocouple Wire 260°C - Extension Grade

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
26	0.406	0.152	0.203	1.12*1.83	6
24	0.508	0.152	0.203	1.19*1.95	7.5
24S*(7/32)	0.61	0.152	0.203	1.24*2.13	8.9
20	0.813	0.152	0.203	1.55*2.69	16.4
20S*(7/28)	0.965	0.152	0.203	1.63*2.84	17.9
18	1.02	0.152	0.203	1.73*3.05	23.8
18S*(7/26)	1.22	0.152	0.203	1.93*3.45	26.8
16	1.29	0.254	0.203	2.21*4.01	37.3
16S*(7/24)	1.52	0.254	0.203	2.44*4.47	40.2