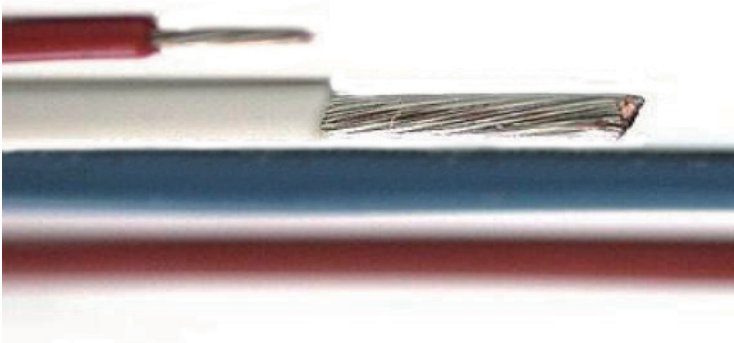




TFE Insulated Thermocouple Wire and Extension Wire



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

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



Caledonian High Temperature Cables

High Temperature Thermocouple Cables

www.caledonian-cabes.co.uk

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

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

