



Fiberglass Insulated Thermocouple Wire and Extension Wire



Product application:

Fiberglass Thermocouple Wire is ideal for general applications requiring moderate abrasion, moisture resistance, and wide temperature capabilities

Product characteristic:

Construction:

- Solid or stranded tinned copper thermocouple wire
- Braided fiberglass insulation
- Parallel conductors
- Braided fiberglass jacket

Technical:

- Continuous temperature rating: 400°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:

- Good thermal durability and tensile strength
- Service temperature up to 400°C



- Good dielectric and electrical characteristics
- Braided fiberglass insulation for abrasion resistance
- Braided fiberglass jacket for additional flexibility and abrasion resistance

Product specification:

Fiberglass Type K Thermocouple Wire
Chromel/Alumel Fiberglass Thermocouple Wire Type K

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
14	1.63	0.18	0.25	2.5 x 4.6	43
16	1.29	0.18	0.25	2.2 x 3.8	30
16S*	1.47	0.18	0.25	2.4 x 4.3	33
18	1.02	0.18	0.25	1.8 x 3.2	19
20	0.81	0.15	0.15	1.4 x 2.5	11
20S*	0.97	0.15	0.15	1.5 x 2.7	12
22	0.64	0.15	0.15	1.2 x 2.2	8
24	0.51	0.15	0.15	1.0 x 1.7	4.8
24S*	0.61	0.15	0.15	1.2 x 2.1	5.1
26	0.41	0.11	0.15	0.9 x 1.5	3.3
28	0.32	0.11	0.15	0.8 x 1.4	2.5
30	0.25	0.11	0.15	0.8 x 1.2	1.9

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

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High Temperature Thermocouple Cables

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Fiberglass Type J Thermocouple Wire
Iron/Constantan Fiberglass Thermocouple Wire Type J

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
14	1.63	0.18	0.25	2.5 x 4.6	43
16	1.29	0.18	0.25	2.2 x 3.8	30
16S*	1.47	0.18	0.25	2.4 x 4.3	33
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Iron/Constantan Fiberglass Thermocouple Wire Type J

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
14	1.63	0.18	0.25	2.5 x 4.6	43
16	1.29	0.18	0.25	2.2 x 3.8	30
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Fiberglass Type T Thermocouple Wire
Copper/Constantan Fiberglass Thermocouple Wire Type T

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
14	1.63	0.18	0.25	2.5 x 4.6	43
16	1.29	0.18	0.25	2.2 x 3.8	30
16S*	1.47	0.18	0.25	2.4 x 4.3	33
18	1.02	0.18	0.25	1.8 x 3.2	19
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26	0.41	0.11	0.15	0.9 x 1.5	3.3
28	0.32	0.11	0.15	0.8 x 1.4	2.5
30	0.25	0.11	0.15	0.8 x 1.2	1.9

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Copper/Constantan Fiberglass Thermocouple Wire Type T

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
14	1.63	0.18	0.25	2.5 x 4.6	43
16	1.29	0.18	0.25	2.2 x 3.8	30
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Fiberglass Type E Thermocouple Wire
Chromel/Constantan Fiberglass Thermocouple Wire Type E

AWG	Nominal Conductor Diameter mm	Nominal Thickness mm			Gross Weight kg/km
		Insulation	Jacket	O.D.	
14	1.63	0.18	0.25	2.5 x 4.6	43
16	1.29	0.18	0.25	2.2 x 3.8	30
16S*	1.47	0.18	0.25	2.4 x 4.3	33
18	1.02	0.18	0.25	1.8 x 3.2	19
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Fiberglass Type N Thermocouple Wire
Nicrosil/Nisil Fiberglass Thermocouple Wire Type N

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14	1.63	0.18	0.25	2.5 x 4.6	43
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