

Thermocouple Wire Type

Only K type ANSI color code shown. To order other type or IEC, DIN, JIS color code, pls contact us online

ANSI Color Code: Positive Wire, Yellow; Negative Wire, Red; Overall, Brown

MICC Engineering does not use reprocessed PFA or PVC in manufacturing thermocouple wire

Insulation	AWG No.	Model Number	Type Wire	Insulation		Max. Temp.		Nominal Size mm (inch)	Wt. † kg/300m(lb/1000')
				Conductor	Overall	°C	°F		
Ceramic*	14	K-CF/CF-2*14 K-	Solid	Ceramic Fiber	Ceramic Fiber	1090	2000	3.6 x 5.0 (0.140 x 0.200)	18 (38)
	20	CF/CF-2*20	Solid			980	1800	3.4 x 4.8 (0.135 x 0.190)	8 (16)
	24	K-CF/CF-2*24	Solid			870	1600	2.9 x 4.4 (0.115 x 0.175)	7 (15)
High Temp Glass	20	K-HH/HH-2*20	Solid	High Temp Glass	High Temp Glass	704	1300	1.5 x 2.7 (0.060 x 0.105)	4 (9)
	24	K-HH/HH-2*24	Solid	High Temp Glass	High Temp Glass	704	1300	1.4 x 2.3 (0.055 x 0.090)	3 (5)
Glass***	20	K-FG/FG-2*20 K-	Solid 7	Glass Braid	Glass Braid	482	900	1.5 x 2.1 (0.060 x 0.095)	4 (9)
	20S	FG/FG-2*20S K-	x 28	Glass Braid		482	900	1.5 x 2.5 (0.060 x 0.100)	4 (9)
	24	FG/FG-2*24 K-	Solid 7	Glass Braid		482	900	1.3 x 2.0 (0.050 x 0.080)	3 (5)
	24S	FG/FG-2*24S K-	x 32	Glass Braid		482	900	1.3 x 2.2 (0.050 x 0.085)	3 (5)
	26	FG/FG-2*26 K-	Solid	Glass Wrap		482	900	1.1 x 1.9 (0.045 x 0.075)	2 (4)
	28	FG/FG-2*28 K-	Solid	Glass Wrap		482	900	1.0 x 1.4 (0.040 x 0.055)	2 (3)
	30	FG/FG-2*30	Solid	Glass Wrap		482	900	0.9 x 1.3 (0.037 x 0.050)	2 (3)
	36	K-FG/FG-2*36	Solid	Glass Wrap		482	900	0.8 x 1.1 (0.033 x 0.045)	1 (2)
Glass with Stainless Steel Overbraid***	20	K-FG/FG/SSB-2*20 K-	Solid 7	Glass	Stainless Steel Braid over Glass	482	900	2.3 x 3.0 (0.090 x 0.120)	6 (14)
	20S	FG/FG/SSB-2*20S K-	x 28			482	900	2.3 x 3.2 (0.090 x 0.127)	7 (15)
	24	FG/FG/SSB-2*24	Solid			482	900	2.2 x 3.0 (0.085 x 0.117)	5 (11)
	24S	K-FG/FG/SSB-2*24S	7 x 32			482	900	2.0 x 2.8 (0.080 x 0.110)	5 (11)
Kapton***	20	K-KPT/KPT-2*20 K-	Solid 7	Kapton	Kapton	260	500	1.5 x 2.5 (0.060 x 0.100)	5 (11)
	20S	KPT/KPT-2*20S K-	x 28			260	500	1.5 x 2.7 (0.060 x 0.105)	5 (11)
	24	KPT/KPT-2*24 K-	Solid 7			260	500	1.3 x 1.9 (0.050 x 0.075)	3 (6)
	24S	KPT/KPT-2*24S K-	x 32			260	500	1.3 x 2.2 (0.050 x 0.085)	3 (6)
	30	KPT/KPT-2*30	Solid			260	500	1.0 x 1.4 (0.040 x 0.055)	3 (5)
PFA Glass***	30	K-PFA/FG-2*30 K-	Solid	PFA	Glass Braid	260	500	0.9 x 1.2 (0.034 x 0.047)	1 (2)
	36	PFA/FG-2*36	Solid			260	500	0.7 x 1.0 (0.028 x 0.038)	1 (2)
	40	K-PFA/FG-2*40	Solid			260	500	0.7 x 0.9 (0.026 x 0.035)	1 (2)
Neoflon PFA***	20	K-PFA/PFA-2*20 K-	Solid 7	PFA	PFA	260	500	1.7 x 3.0 (0.068 x 0.116)	5 (11)
	20	PFA/PFA-2*20S K-	x 28			260	500	1.9 x 3.2 (0.073 x 0.126)	5 (11)
	22	PFA/PFA-2*22S K-	7 x 30			260	500	1.7 x 3.4 (0.065 x 0.133)	4 (9)
	24	PFA/PFA-2*24 K-	Solid 7			260	500	1.4 x 2.4 (0.056 x 0.093)	3 (6)
	24	PFA/PFA-2*24S	x 32			260	500	1.6 x 2.6 (0.063 x 0.102)	3 (6)
	30	K-PFA/PFA-2*30†† K-	Solid			260	500	0.6 x 1.0 (0.024 x 0.040)	1 (2)
	36	PFA/PFA-2*36††	Solid			260	500	0.5 x 0.8 (0.019 x 0.030)	1 (2)
	40	K-PFA/PFA-2*40††	Solid			260	500	0.4 x 0.7 (0.017 x 0.026)	1 (2)
PFA Twisted and Shielded***	20	K-PFA/PFA/TWSH-2*20 K-	Solid 7	PFA	PFA and Shielding	260	500	3.7 (0.15)	9 (20)
	20S	PFA/PFA/TWSH-2*20S K-	x 28			260	500	3.8 (0.15)	9 (20)
	24	PFA/PFA/TWSH-2*24	Solid			260	500	2.7 (0.11)	4 (9)
	24S	K-PFA/PFA/TWSH-2*24S	7 x 32			260	500	2.9 (0.12)	4 (9)
Neoflon FEP***	20	K-FEP/FEP-2*20	Solid	FEP	FEP	200	392	1.7 x 3.0 (0.068 x 0.116)	5 (11)
	24	K-FEP/FEP-2*24	Solid	FEP	FEP	200	392	1.4 x 2.4 (0.056 x 0.092)	3 (6)
FEP Twisted and Shielded***	20	K-FEP/FEP/TWSH-2*20 K-	Solid 7	FEP	FEP and Shielding	200	392	3.7 (0.15)	9 (20)
	20S	FEP/FEP/TWSH-2*20S K-	x 28			200	392	3.8 (0.15)	9 (20)
	24	FEP/FEP/TWSH-2*24	Solid			200	392	2.7 (0.11)	4 (9)
	24S	K-FEP/FEP/TWSH-2*24S	7 x 32			200	392	2.9 (0.12)	4 (9)
PVC***	24	K-PVC/PVC-2*24	Solid	PVC	PVC	105	221	2.0 x 3.4 (0.082 x 0.134)	3 (5)
	24	K-PVC/PVC-2*24S	7 x 32			105	221	2.0 x 3.4 (0.082 x 0.134)	3 (5)

Notes:

† Weight of spool and wire rounded to the next highest kg (lb) (does not include packing material).

†† Overall color clear.

††† To order special limits of error wire, add "-SLE" to model number before spool length.

* Has color tracers on jacket and conductors.

** HH Wire has trace thread in positive leg, negative leg is red, overall has trace thread.

*** Extension Grade mark with KX, JX, TX, EX, NX, SX, RX