

## Thermocouple Wire

### ANSI Type J and K Duplex Thermocouple Wire — Stocked on 100 and 250 Foot Spools

Can be used for manufacturing thermocouple assemblies or as hook up wire between a thermocouple assembly and display instrumentation or a temperature control. The calibration is guaranteed to the full temperature range of the thermocouple type.



TC Type	Wire Type	Insulation	Insulation Temperature Limits (°F/°C)	Nominal Overall Dimensions (inches)	Part Number	
					100 Foot Spool	250 Foot Spool
J	20 Gauge Solid	Fiberglass	900/482	.060 □ .106	TCWR-1028	TCWR-1032
J	20 Gauge Stranded	Fiberglass	900/482	.066 □ .118	TCWR-1033	TCWR-1035
J	24 Gauge Solid	Fiberglass	900/482	.048 □ .082	TCWR-1037	TCWR-1069
J	24 Gauge Stranded	Fiberglass	900/482	.048 □ .082	TCWR-1038	TCWR-1070
J	20 Gauge Stranded	Fiberglass with SS overbraid	900/482	.088 □ .140	TCWR-1047	TCWR-1051
J	20 Gauge Solid	FEP Teflon®	400/204	.068 □ .116	TCWR-1060	TCWR-1062
J	24 Gauge Stranded	Fiberglass with SS overbraid	900/482	.074 □ .100	TCWR-1048	TCWR-1052
K	20 Gauge Solid	Fiberglass	900/482	.060 □ .116	TCWR-1025	TCWR-1029
K	20 Gauge Stranded	Fiberglass	900/482	.066 □ .118	TCWR-1034	TCWR-1036
K	24 Gauge Solid	Fiberglass	900/482	.044 □ .074	TCWR-1039	TCWR-1071
K	24 Gauge Stranded	Fiberglass	900/482	.050 □ .082	TCWR-1040	TCWR-1072
K	20 Gauge Stranded	Fiberglass with SS overbraid	900/482	.088 □ .140	TCWR-1049	TCWR-1053
K	20 Gauge Solid	FEP Teflon®	400/204	.068 □ .116	TCWR-1061	TCWR-1063
K	24 Gauge Stranded	Fiberglass with SS overbraid	900/482	.074 □ .100	TCWR-1050	TCWR-1054

### ANSI Type JX and KX Thermocouple Extension Wire — Stocked on 100 and 250 Foot Spools

Due to its cost advantage thermocouple extension wire is used to make the connection between the thermocouple assembly and the measuring instrument, especially when long distances are involved. Thermocouple extension wire has approximately the same characteristics as thermocouple wire but its accuracy is guaranteed over a limited temperature range.



TC Type	Wire Type	Insulation	Insulation Temperature Limits (°F/°C)	Nominal Overall Dimensions (inches)	Part Number	
					100 Foot Spool	250 Foot Spool
JX	20 Gauge Solid	PVC	221/105	.092 □ .154	TCWR-1027	TCWR-1031
JX	20 Gauge Stranded	PVC	221/105	.098 □ .166	TCWR-1041	TCWR-1073
JX	24 Gauge Solid	PVC	221/105	.080 □ .130	TCWR-1042	TCWR-1074
JX	24 Gauge Stranded	PVC	221/105	.084 □ .138	TCWR-1043	TCWR-1075
JX	20 Gauge Solid	PVC with Shield & Drain	221/105	.169 Diameter	TCWR-1055	TCWR-1057
KX	20 Gauge Solid	PVC	221/105	.092 □ .154	TCWR-1026	TCWR-1030
KX	20 Gauge Stranded	PVC	221/105	.098 □ .166	TCWR-1044	TCWR-1076
KX	24 Gauge Solid	PVC	221/105	.080 □ .130	TCWR-1045	TCWR-1077
KX	24 Gauge Stranded	PVC	221/105	.084 □ .138	TCWR-1046	TCWR-1078
KX	20 Gauge Solid	PVC with Shield & Drain	221/105	.169 Diameter	TCWR-1056	TCWR-1058

Tempco's Thermocouple Wire and Extension Wire is supplied to meet Standard Tolerances of ANSI Circular MC96.1-1982.

**For Thermocouple Wire Types and Special Limits/Tolerances not shown, refer to catalog pages 14-102 through 14-113 in the Temperature Sensors section.**