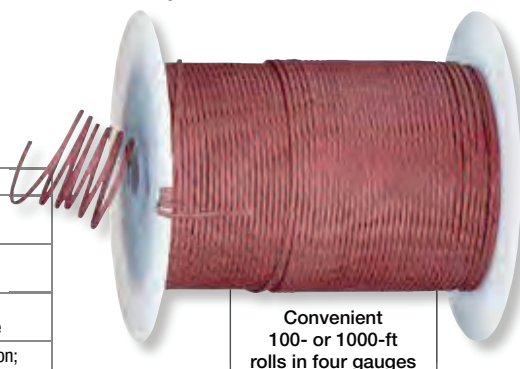


Digi-Sense® Thermocouple and RTD Wire

Make your own extension cables

Wire comes in 30, 24, 20, or 16 gauge for fabricating your own probes or extension cables (meets ANSI and ASTM standards). Choose from wire with polyvinyl chloride (PVC), fluorinated ethylene propylene resin (FEP/FEP), fiberglass, high-temperature fiberglass, or ceramic fiber outer/inner insulation.



Insulation type (outer/inner)	Temperature range	Advantages
Polyvinyl	-20 to 221°F (-28 to 105°C)	Good moisture and abrasion resistance
FEP/FEP	-328 to 400°F (-200 to 204°C)	Excellent chemical and moisture resistance; very good abrasion resistance
Glass braid	-100 to 900°F (-73 to 482°C)	Excellent chemical and flame resistance; fair moisture resistance; good abrasion resistance
High-temp fiberglass braid	0 to 1400°F (-18 to 750°C)	Higher temperatures than regular fiberglass insulation; fair moisture resistance; good abrasion resistance
Ceramic fiber braid	0 to 2200°F (-18 to 1427°C)	Intermittent temperatures to 3000°F (1649°C); fair moisture and abrasion resistance

Wire type	Wire gauge	Wire temp rating (Max)	Inner insulation	Outer insulation	Stranded/Solid	Over-braid	Special features	Catalog number	Price/rl of 100 ft	Catalog number	Price /rl of 1000 ft
Thermocouple wire											
J	16	221°F	Polyvinyl	Polyvinyl	Solid	No	—	GH-08541-30		GH-08542-26	
J	20	221°F	Polyvinyl	Polyvinyl	Solid	No	—	GH-08541-16		GH-08542-15	
J	20	400°F	FEP	FEP	Solid	No	—	GH-08541-17		GH-08542-16	
J	20	900°F	Glass braid	Glass braid	Solid	No	—	GH-08541-18		GH-08542-17	
J	24	221°F	Polyvinyl	Polyvinyl	Solid	No	—	GH-08541-06		GH-08542-06	
J	24	400°F	FEP	FEP	Solid	No	—	GH-08541-07		GH-08542-07	
J	24	900°F	Glass braid	Glass braid	Solid	No	—	GH-08541-08		GH-08542-08	
J	30	400°F	FEP	FEP	Solid	No	—	GH-08541-00		GH-08542-00	
J	30	900°F	Glass braid	Glass braid	Solid	No	—	GH-08541-01		GH-08542-01	
K	16	221°F	Polyvinyl	Polyvinyl	Solid	No	—	GH-08541-32		GH-08542-28	
K	16	900°F	Enamel/glass braid	Glass braid	Solid	No	—	GH-08541-33		GH-08542-29	
K	20	1300°F	High temp glass braid	High temp glass braid	Solid	No	Special limits of error (±4%)	GH-08541-23		GH-08542-22	
K	20	2200°F	Ceramic fiber braid	Ceramic fiber braid	Solid	No	—	GH-08541-24		GH-08542-23	
K	20	221°F	Polyvinyl	Polyvinyl	Solid	No	—	GH-08541-20		GH-08542-19	
K	20	221°F	Polyvinyl	Polyvinyl	Solid	No	BoPET shield and drain wire	GH-08541-48		GH-08542-41	
K	20	400°F	FEP	FEP	Solid	No	—	GH-08541-21		GH-08542-20	
K	20	900°F	Glass braid	Glass braid	Solid	No	—	GH-08541-22		GH-08542-21	
K	24	221°F	Polyvinyl	Polyvinyl	Solid	No	—	GH-08541-09		GH-08542-09	
K	24	400°F	FEP	FEP	Solid	No	—	GH-08541-10		GH-08542-10	
K	24	900°F	Glass braid	Glass braid	Solid	No	—	GH-08541-11		GH-08542-11	
K	30	400°F	FEP	FEP	Solid	No	Special limits of error (±4%)	GH-08541-02		GH-08542-02	
K	30	900°F	Glass braid	Glass braid	Solid	No	—	GH-08541-03		GH-08542-03	
T	16	221°F	Polyvinyl	Polyvinyl	Solid	No	—	GH-08541-34		GH-08542-30	
T	20	221°F	Polyvinyl	Polyvinyl	Solid	No	—	GH-08541-25		GH-08542-24	
T	20	400°F	FEP	FEP	Solid	No	—	GH-08541-26		GH-08542-25	
T	20	900°F	Glass braid	Glass braid	Solid	No	—	GH-08541-27		GH-08542-44	
T	24	221°F	Polyvinyl	Polyvinyl	Solid	No	—	GH-08541-12		GH-08542-12	
T	24	221°F	Polyvinyl	Polyvinyl	Solid	No	—	GH-08541-45		GH-08542-38	
T	24	400°F	FEP	Glass braid	Solid	No	—	GH-08541-13		GH-08542-13	
T	24	900°F	Glass braid	Glass braid	Solid	No	—	GH-08541-14		GH-08542-14	
T	30	400°F	FEP	FEP	Solid	No	Special limits of error (±4%)	GH-08541-04		GH-08542-04	
T	30	900°F	Glass braid	Glass braid	Solid	No	—	GH-08541-05		GH-08542-05	
RTD wire											
RTD	24	400°F	TFE	TFE	Stranded	No	—	GH-08542-31		—	—
RTD	24	900°F	Glass braid	Glass braid	Stranded	No	—	GH-08541-42		—	—
RTD	20	400°F	FEP	FEP	Stranded	No	—	GH-08541-50		GH-08542-43	

Digi-Sense® Thermocouple Connectors



Connectors withstand continuous temperature of 350°F (177°C) and maximum temperature of 400°F (204°C). Feature glass-filled nylon casing with finger grips and polarity indicators; negative terminals are marked with red discs for easy identification. Miniconnectors accept miniature cable clamps and cable up to 20 gauge; standard connectors accept standard cable clamps and cable up to 16 gauge.

Type	Connection	Color	Miniconnectors				Standard connectors			
			Pack of 10		Pack of 100		Pack of 10		Pack of 100	
			Cat. no.	Price*	Cat. no.	Price	Cat. no.	Price*	Cat. no.	Price
J	Plug	Black	GH-93840-50		GH-93841-50		GH-93840-60		GH-93841-60	
J	Jack	Black	GH-93840-51		GH-93841-51		GH-93840-61		GH-93841-61	
K	Plug	Yellow	GH-93840-52		GH-93841-52		GH-93840-62		GH-93841-62	
K	Jack	Yellow	GH-93840-53		GH-93841-53		GH-93840-63		GH-93841-63	
T	Plug	Blue	GH-93840-54		GH-93841-54		GH-93840-64		GH-93841-64	
T	Jack	Blue	GH-93840-55		GH-93841-55		GH-93840-65		GH-93841-65	

*Discounts: Save 10% on 6-10 pks of 10, 15% on 11-24 pks of 10, and 20% on 25 or more pks of 10.



Type K miniconnector jack and plug



Type J standard connector plug and jack