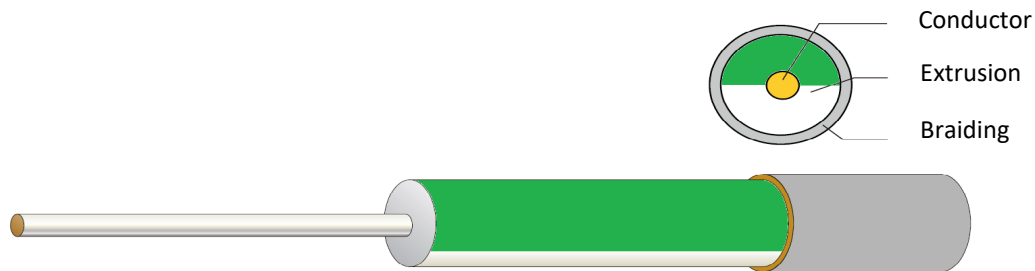


Cable Capability

Premier Hose Technologies offer a wide range of cable materials and options. In addition to standard specifications we can adjust conductor, extrusion and braiding to meet your specific requirements.



Conductor Options

Material	Conductor
Silver Plated Copper Wire	Generally up to +205°C
Nickel Plated Copper Wire	Generally up to +300°C
Tin Plated Copper Wire	Generally up to +150°C
Plain Copper Wire	Generally up to +135°C
Pure Nickel Wire	Generally up to +750°C
Type K Thermocouple	Class 1 and 2, special and standard tolerances. Solid and stranded. Extension and compensating versions, available in all insulation types, and all constructions.
Type J Thermocouple	
Type T Thermocouple	
Type E Thermocouple	
Type N Thermocouple	
Type RCA/RCB, SCA/SCB	Extension and compensating wires.

Extrusion Capability

Low Temperature	PVC -30°C to +70°C Insulation and Sheathing	AWG30 to AWG10
	PVC +105°C Insulation and Sheathing	
	PVC Flame Retardant Insulation and Sheathing	
	Polyethylene -55°C to +70°C Insulation	
	Polyurethane -65°C to +70°C Sheathing	
	LSOH-FR -25°C to +100°C Insulation and Sheathing	
Medium Temperature	ETFE -75°C to +150°C Insulation and Sheathing	AWG32 to AWG2
	ECTFE -75°C to +150°C Insulation and Sheathing	
	PVDF -75°C to +150°C Insulation and Sheathing	
	PEI -60°C to +150°C Insulation and Sheathing	
High Temperature	PFA -75°C to +260°C Insulation and Sheathing	AWG32 to AWG2
	MFA -75°C to +250°C Insulation and Sheathing	
	FEP -75°C to +200°C Insulation and Sheathing	

Extrusion Options

Material	Insulation/Sheath	General Temp °C	Comments
PFA	Both	-75°C to +260°C	High temperature, chemical resistant
MFA	Both	-75°C to +250°C	High temperature, chemical resistant
FEP	Both	-75°C to +200°C	High temperature, chemical resistant
ETFE	Both	-75°C to +150°C	Tough, medium temperature
ECTFE	Insulation	-75°C to +150°C	Tough, fire resistant, medium temperature
PTFE	Both	-75°C to +260°C	High temperature, chemical resistant
PEEK	Both	-55°C to +230°C	Currently under development
POLYIMIDE	Both	-75°C to +200°C	Compact lightweight high temperature
POLYIMIDE-ENAMEL	Both	-75°C to +300°C	High radiation resistance
POLYIMIDE-PTFE	Both	-75°C to +260°C	Compact lightweight high temperature
TPE-E	Both	-40°C to +150°C	High moisture and oil resistance
PVDF	Both	-75°C to +150°C	Chemical and radiation resistance
PEI	Both	-60°C to +150°C	LSOH radiation resistant
PVC	Both	-30°C to +105°C	General jacketing use
LSOH-FR	Both	-25°C to +100°C	LSOH Insulation / sheathing radiation resistance
PE	Insulation	-55°C to +70°C	Possible but rarely used
TPU	Sheath	-65°C to +70°C	Flexible, tough, abrasion resistant
GLASS-WHIP	Insulation	-75°C to +350°C	Varnish and/or PTFE impregnated
GLASS-WHIP/BRAID	Insulation	-75°C to +350°C	Varnish and/or PTFE impregnated
GLASS-WHIP	Insulation	-75°C to +720°C	Varnish and/or PTFE impregnated
GLASS-WHIP/BRAID	Insulation	-75°C to +720°C	Varnish and/or PTFE impregnated
TAPE-BRAID	Both	-75°C to +350°C	Varnish and/or PTFE impregnated
TAPE-BRAID	Both	-75°C to +450°C	Varnish and/or PTFE impregnated
TAPE-BRAID	Both	-75°C to +720°C	Varnish and/or PTFE impregnated
INTEMP 250	Insulation	-75°C to +260°C	PFA / Mica / Glass braid + silicone varnish
HI-TEMP QUARTZ	Both	-75°C to +1050°C	Mica / Quartz / Quartz fire resistant
HI-TEMP CERAMIC	Both	-50°C to +1250°C	Mica / Ceramic fire resistant

Braiding Capability and Options

Material	Braid
Silver Plated Copper Wire	Generally up to +205°C Screen
Nickel Plated Copper Wire	Generally up to +300°C Screen and Armour
Tin Plated Copper Wire	Generally up to +150°C Screen and Armour
Plain Copper Wire	Generally up to +135°C Screen
Stainless Steel	Generally up to +750°C Armour