








WIRE INSULATION IDENTIFICATION & APPLICATION GUIDE

INSULATION CODE	INSULATION		APPEARANCE OF THERMOCOUPLE GRADE WIRE	TEMPERATURE RANGE INSULATION	ABRASION RESISTANCE	FLEXIBILITY	WATER SUBMERSION	RESISTANCE TO:	
	OVERALL	CONDUCTORS						FLAME	HUMIDITY
P	Polyvinyl Chloride (PVC)	Polyvinyl Chloride (PVC)		-40 to 105°C	Good	Excellent	Good	Good	Good
T	PTFE or PFA/FEP	PTFE or PFA/FEP		-267 to 260°C	Excellent	Good	Excellent	Excellent	Excellent
K	Kapton	Kapton		-267 to 316°C	Excellent	Good	Good	Good	Excellent
S	Silicon	Silicon		-40 to 200°C	Good	Good	Excellent	Excellent	Excellent
F	Fiber Glass Braid	PTFE/PFA or Fiber Glass		-73 to 260°C	Good	Good	Excellent	Excellent	Excellent
CF	Ceramic Fiber	Ceramic Fiber		-72 to 871°C	Poor	Good	Poor	Excellent	Excellent
SF	Silica	Silica		-73 to 1038°C	Poor	Good	Poor	Excellent	Fair