Made in USA

Insulated Thermocouple and Extension Wire Insulation Types

	Single Conductor		Duplex Conductors		Temperature Rating†		ANSI	Physical Properties		
	Insulation	Impregnation	Insulation	Impregnation	Continuous	Single Reading	Color Coded	Abrasion Resist.	Moisture Resist.	Chemical Resist.
 Glass Braid	Glass Braid	Silicone Modified Resin (retained to 400°F [204°C])	Glass Braid	Silicone Modified Resin (retained to 400°F [204°C])	900°F (482°C)	1000°F (538°C)	Yes	Fair	Good	Good
 Double Glass Wrap	Double Glass Wrap	Silicone Modified Resin (retained to 400°F [204°C])	Glass Braid	Silicone Modified Resin (retained to 400°F [204°C])	900°F (482°C)	1000°F (538°C)	Yes	Fair	Good	Good
 High Temperature Glass Braid	High Temp Glass Braid	High Temp Varnish (retained to 400°F [204°C])	High Temp Glass Braid	High Temp Varnish	1300°F (704°C)	1600°F (871°C)	Yes	Good	Fair	Good
 Polyvinyl (PVC)	Polyvinyl (PVC)	—	Polyvinyl (PVC)	—	-20 to +221°F (-29 to 105°C)	221°F (105°C)	Yes	Good	Excellent	Good
 FEP Extr.	FEP Extr.	—	FEP Extr.	—	400°F (204°C)	500°F (260°C)	Yes	Excellent	Excellent	Excellent
 Kapton®	Kapton®	—	Kapton®	—	500°F (260°C)	800°F (427°C)	Yes (Indiv. only)	Excellent	Excellent	Excellent
 Polyvinyl (PVC) with Drain Wire & Aluminum/Mylar Shield	Polyvinyl (PVC)	—	Polyvinyl (PVC) Twisted	—	-20 to +221°F (-29 to +105°C)	221°F (105°C)	Yes	Good	Excellent	Good
 Vitreous Silica Fiber	Vitreous Silica Fiber	—	Vitreous Silica Fiber	—	1600°F (871°C)	2000°F (1093°C)	No	Fair	Fair	Good
 Ceramic Fiber	Ceramic Fiber	—	Ceramic Fiber	—	2200°F (1204°C)	2600°F (1427°C)	No	Good	Fair	Good

†Thermocouple extension grade wire is only calibrated up to 400°F (204°C).