

B. J. WOLFE ENTERPRISES, INC. (818) 889-8412, (800) 554-1224, Fax (818) 889-8417

Insulation Types, Construction and Characteristics										
Insulation Type	Overall Jack I = Insulation P = Impregnation	Each Conductor I = Insulation P = Impregnation	Temperature Rating of Insulation Continuous SingleRDG		Notes and Comments					
CF	I = Ceramic Fiber P = None	I = Ceramic Fiber P = None	1204°C (2000°F)	1427°C (2600°F)	No ANSI color coding, fiber does tend to unravel over time.					
CFIN	I = Ceramic Fiber w/Inconel 600 overbraiding P = None	I = Ceramic Fiber P = None	704°C (1300°F)	1148°C (2100°F)	Inconel 600 over-braiding, increases the abrasion resistance and unraveling of fiber insulation.					
нтсв	I = High Temp Glass Braid P= High Temp Vamish	I = High Temp Glass Braid P = High Temp Varnish	537°C (1000°F)	871°C (1600°F)	Impregnation retained to 204°C (400°F insulation holds up well at upper temperature.					
GG	I = Glass Braid P=Silicon Modified Resin	I = Glass Braid P = Silicon Modified Resin	482°C (900°F)	538°C (1000°F)	Impregnation retains to 204°C (400°F).					
GW	I = Double Glass Wrap P= High Temp Varnish	I = Glass Braid P = High Temp Varnish	482°C (900°F)	538°C (1000°F)	Impregnation retained to 204°C (400°F). Insulation holds up better than GG at higher temperatures.					
KT	I = Fused Kapton Tape Colored Polyimide Enamel	I = Fused Kapton Tape	316°C (600°F)	427°C (800°F)	Excellent moisture and abrasion resistance, FEP binder melts at 260°C/500°F.					
TFE	I = Fused TFE Tape	I = Fused TFE Tape	260°C (500°F)	316°C (600°F)	Because of the fusing process this wire is not recommended for applications where the outer jacket only is to be removed.					
TP	I = Extruded PFA Teflon	I = Extruded PFA Teflon	260°C (500°F)	316°C (600°F)	Slightly less rugged than the TFE serie TP offers a nice smooth extruded finis					
TF	I = Extruded FEP Teflon	I = Extruded FEP Teflon	204°C (400°F)	260°C (400°F)	Slightly less expensive than TP wire. Excellent moisture and abrasion like most teflon wires.					
PVC	Ripcord construction-No outer jacket, insulation on conductors are fused	I = Extruded PVC Polyvinyl	105°C (221°F)		Good down to -29°C (-20°F), most economical wire produced easy to strip. For lower or higher temperature use Teflon.					
PP Extension Wire Only	I = Extruded PVC Polyvinyl	I = Extruded PVC Polyvinyl	105°C (221°F)		Good down to -29°C (-20°F). This wire is designed as an economical thermocouple extension wire.					

ANSI Color Coding												
Туре	Positive Wire		Negative Wire		Ove							
	Alloy	Color Code	Alloy	Color	GG,GW	Teflon 20-24	Teflon 26-36	Extension PP				
J	Iron "Magnetic"	White	Constantan	Red	Brown with Black Tracer	Brown	Clear PFA Jacket	Black				
К	CHROMEL®	Yellow	ALUMEL® "Magnetic"	Red	Brown with Yellow Tracer	Brown	Clear PFA Jacket	Yellow				
Т	Copper	Blue	Constantan	Red	Brown with Blue Tracer	Brown	Clear PFA Jacket	Blue				
E	CHROMEL®	Purple	Constantan	Red	Brown with Purple Tracer	Brown	Clear PFA Jacket	Purple				
R	Plat 13% Rhodium	Black	Pure Platinum	Red				Green				
S	Plat 10% Rhodium	Black	Pure Platinum	Red				Green				

CF/CFIN Insulation do not contain ANSI color coding. Ceramic Fiber material is sold white. The Alumel leg of the CF/FCIN wire is magnetic for easy identification.

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