

3.29: Table 1: Insulation Characteristics						
Insulation	Temperature	UL Voltage	Oil	Ozone	Abrasion	Flame
	Rating	Rating (Volts)	Resistance	Resistance		Resistance
Neoprene	90°C	300/600	Good	Good	Good	Good
PVC	80°C	300	Good-Excellent	Good-Excellent	Good	Excellent
	105°C	600	Good-Excellent	Good-Excellent	Good	Excellent
Hypalon®	105°C	300/600	Good	Excellent	Good	Good
XL-Dur®	105°C	300	Good	Good	Excellent	Fair-Good
Cross-Linked	125°C	600	Good	Good	Excellent	Fair-Good
Polyethylene	150°C	600	Good	Good	Excellent	Fair-Good
EPDM	125°C	600	Fair-Poor	Good	Good	Fair
	150°C	600	Fair-Poor	Good	Good	Fair
Silicone	150°C	300	Fair	Good	Poor	Good
Rubber	200°C	600	Fair	Good	Poor	Good
Silicone Rubber	150°C	600	Fair	Excellent	Excellent	Good
Glass Braid	200°C	600	Fair	Excellent	Excellent	Good
Teflon®	150°C	300	Excellent	Excellent	Excellent	Excellent
	200°C	300	Excellent	Excellent	Excellent	Excellent
	260°C	300	Excellent	Excellent	Excellent	Excellent