


<p><b>Lutze DRIVEFLEX™</b> Specially formulated XLPE insulation Extra thick insulation walls</p>	<ul style="list-style-type: none"> <li>• Thermo-set XLPE Insulation will withstand high voltage spikes and does not melt (tested for 4000V Peaks)</li> <li>• Low capacitance construction leads to low charging current, resulting in long cable runs and less Drive malfunctions</li> <li>•  listed for use as VFD and Servo Drive Cable</li> <li>• Rated 1000V nominal</li> <li>• Provides proper shielding with 100% foil coverage for high frequencies and 80% braid coverage for low frequencies</li> <li>• Flexible easy strip design allows fast installation with appropriate use of shielding for EMC/Noise reduction</li> </ul>
<p><b>THHN in Conduit</b> PVC/Nylon insulation Insulation wall thickness not adequate for Drive applications</p>	<ul style="list-style-type: none"> <li>• Thermoplastic insulation with thin walls can melt at voltage spikes resulting in Corona Discharge (arcing between conductors)</li> <li>• Due to high charging current only possible in installations with the motor located very closely to the Drive</li> <li>• Not suitable for long cable runs</li> <li>• No proper shielding, conduit provides an unpredictable grounding pass</li> <li>• Time consuming</li> <li>• PVC ages, aging is accelerated if the insulation is operated at voltage peaks</li> <li>• Only rated 600V, most 480V AC Drive systems have 650V constant and can reach 1200V peak voltage</li> <li>•</li> </ul>
<p><b>VNTC cable</b> PVC/Nylon insulation Insulation wall thickness not adequate for Drive applications</p>	<ul style="list-style-type: none"> <li>• Thermoplastic insulation with thin walls can melt at voltage spikes resulting in Corona Discharge (arcing between conductors)</li> <li>• Due to high charging current only possible in installations with the motor located very closely to the Drive</li> <li>• Not suitable for long cable runs</li> <li>• PVC ages, aging is accelerated if the insulation is operated at voltage peaks</li> <li>• Only rated 600V, most 480V AC Drive systems have 650V constant and can reach 1200V peak voltage</li> <li>•</li> </ul>
<p><b>Flexible Cords</b> Various insulation types from thermoplastic to thermo-set materials</p>	<ul style="list-style-type: none"> <li>• Questionable code compliance since Drives to Motor cable wiring is most likely stationary and not portable (2011 NEC 400.7 and 400.8)</li> </ul>

