

**MATERIAL/APPLICATION GUIDE - CABLE JACKET MATERIAL**

	<b>COST</b>	<b>TYPICAL APPLICATIONS</b>
<p><b>TYPE SOOW &amp; SJOOW RUBBER</b>                      Excellent resistance to oils, acids, chemicals, water, ozone, Extreme temperatures, cuts, tears &amp; abrasion. Flame retardant &amp; highly flexible. Indoor/outdoor rated. Sunlight resistant.</p>	Moderate to High	Extra hard usage on industrial equipment, heavy tools, motors, welding with hot substrates like weld spatter, machinery mining applications, and where solvents, oil and coolants exist.
<p><b>PVC (POLYVINYLCHLORIDE)</b>                      Excellent flame, heat, oxidation and moisture resistance. Good performance in a wide range of temperatures. Good resistance to tearing &amp; abrasions and resists some cutting fluids.</p>	Low	General assembly applications, general industrial machinery, controls & control instrumentation. Other applications include general wiring, and outdoors. Not suited for high-flex applications.
<p><b>PUR (POLYURETHANE)</b>                      Excellent resistance to oils, solvents, greases, oxidation, ozone. Excellent cut-through, tear, and abrasion performance. Resistant to many industrial fluids. Poor resistance to steam, high temperatures and acids. Long flex life.</p>	Moderate	High abuse areas including metal cutting and machining. High-flex applications including robotics. Good in cold temperature & freezer applications. Good in applications with mechanical abuse, vibration and impact.
<p><b>TPE (THERMOPLASTIC ELASTOMER)</b>                      Excellent ozone, chemical, oil and water resistance. Rated for constant flexing. Highly flexible and resistant to flame, weld slag, broad range of chemicals &amp; corrosive cutting fluids. Excellent abrasion resistance, wide range of operating temperatures, good weatherability.</p>	Moderate	General use in harsh environments. Ideal in automotive plants – welding robots, machining and general use. Mobile equipment or machines. High-flex applications like end of arm tooling, grippers, robots and other automated equipment.
<p><b>SILICONE</b>                      Excellent high temperature resistance. Temperature range -65 to +260 degrees C.</p>	Moderate to High	Food processing, packaging, refrigeration, furnaces, foundries, glass manufacturing, steel mills & other high temperature processes.