


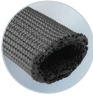
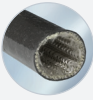




Product Description	Product	Purpose	Unique Features	Temp. Rating*	Design	Construction	Typical Applications
<p>CrushShield® is a lightweight and flexible sleeve that offers superior cut-through resistance. During crash situations the construction enables the product to absorb and disperse energy, thus preventing damage to the electrical cable inside.</p>	 <p>CrushShield® 2442</p>	Extreme abrasion and crash situations	<ul style="list-style-type: none"> Orange color for identification of high voltage cables - ideal for hybrid vehicles Product is also available in black Unique multilayer construction specifically designed for extreme energy absorption 	150°C (302°F)	Wrappable	PET (polyester) monofilaments and multifilaments	<ul style="list-style-type: none"> High Voltage Cables Wire Harnesses
	 <p>CrushShield® 2448</p>	Extreme abrasion and crash situations	<ul style="list-style-type: none"> Self locating High shrinkage ratio for increased installation benefit 	125°C (257°F)	Tubular	PET (polyester) multifilaments and shrinkable yarns	Aluminum pipes
<p>NyloGard® is a durable, tightly woven sleeve providing superior abrasion and cut-through protection for severe environments.</p> <p>Available in an adhesive backed patch - see section: Abrasion/Mechanical Special Solutions</p>	 <p>NyloGard® 2452</p>	Extreme abrasion	Crash applications	125°C (257°F)	Tubular	PA6 (nylon 6) multifilaments	<ul style="list-style-type: none"> Hoses Cables and Wires Fuel Filler Tubes Impact Resistant Tubes
	 <p>NyloGard® 2453</p>	Extreme abrasion	<ul style="list-style-type: none"> Crash applications Hook and loop closure 	125°C (257°F)	Wrappable	PA6 (nylon 6) multifilaments	<ul style="list-style-type: none"> Hoses Cables and Wires Fuel Filler Tubes Impact Resistant Tubes
	 <p>NyloGard® 2454</p>	Extreme abrasion	Crash applications	150°C (302°F)	Tubular	PET (polyester) multifilaments	<ul style="list-style-type: none"> Hoses Cables and Wires Fuel Filler Tubes Impact Resistant Tubes
	 <p>NyloGard® 2455</p>	Extreme abrasion	<ul style="list-style-type: none"> Crash applications Hook and loop closure 	150°C (302°F)	Wrappable	PET (polyester) multifilaments	<ul style="list-style-type: none"> Hoses Cables and Wires Fuel Filler Tubes Impact Resistant Tubes
<p>QuietGard™ is a flexible, tubular sleeve designed to provide an excellent level of noise suppression combined with a high level of mechanical protection.</p>	 <p>QuietGard™ 3602</p>	Acoustics and crash situations	<ul style="list-style-type: none"> Unique multilayer construction specifically designed for increased impact resistance Primarily for European OEMs 	125°C (257°F)	Tubular	PET (polyester) multifilaments and PA66 (nylon 66) monofilaments	<ul style="list-style-type: none"> Polyamide Fuel Lines Tubing
<p>ThermGuard™ is a flexible tubular sleeve designed with materials and constructions to provide superior thermal protection and increased durability.</p>	 <p>ThermGuard™ 1280</p>	<ul style="list-style-type: none"> Thermal containment/insulation Reduces thermal radiation 	<ul style="list-style-type: none"> Three layer construction with aramid middle layer for increased mechanical protection Primarily for European OEMs 	225°C (437°F)	Tubular	Silicone coating, aramid and fiberglass multifilaments	<ul style="list-style-type: none"> Engine Wire Harnesses Fuel and Hydraulic Lines Tubings and Hoses

* Temperature ratings may vary due to alternate OEM test requirements