



IMPACT RESISTANCE

CrushShield® 2442

Product Highlights

- Operating temperature up to +150°C (+302°F)
- Excellent cut-through resistance
- Color coded for high voltage identification
- Lightweight, flexible
- Easy installation

Typical Applications

- High voltage electrical cables
- Fuel lines
- Pipes and tubes



CrushShield® 2442 is a self-wrapping sleeve designed to provide superior cut-through protection for electrical cables. The tough, multilayer construction enables the product to absorb and disperse energy, thus preventing damage to the electrical cable inside. CrushShield's ability to prevent cut through of electrical cables has made it a product of choice for vehicle manufacturers concerned with isolating HEV cables from the vehicles' electricity-conducting chassis in crash situations. CrushShield helps protect the HEV cable enabling the vehicle to meet stringent industry standards yet its lightweight, flexible structure does not impede cable routing or add unnecessary weight.

CrushShield 2442 is available in orange for identification of the high voltage cables in hybrid-electric or electric vehicles. Available as well in black for fuel lines protection and low voltage applications.



Our manufacturing sites are certified ISO 9001, ISO/TS 16949, or AS/EN 9100, and ISO 14001

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Protection Products

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Performance Data – CrushShield® 2442

Property	Test Method	Result
Operating Temperature		-50°C to +150°C (-58°F to +302°F)
Heat Aging: 240hrs. at +175°C	VW603.60-2 § 5.5.1.2	No opening No rupture, no cracks, no visible damage
Flammability	SAE J369	Self-extinguishing
Low Temperature Flexibility	BH 100-016A	Pass -40°C
Chipping Resistance	SAE J400	Pass
Dynamic Cut-Through	ASTM-D3032-04 Section 22 (modified)	650 N avg.
Fluid Resistance	D47 1924	Pass

All numeric performance data shows average or typical values.

Standard Sizes

Commercial Part Number	Nominal Size mm	Recommended Application Range mm	
		Min Ø	Max Ø
CrushShield 2442 7	7	5	7
CrushShield 2442 10	10	8	10
CrushShield 2442 13	13	11	13
CrushShield 2442 16	16	14	16
CrushShield 2442 19	19	17	19
CrushShield 2442 25	25	20	25

Availability

CrushShield 2442 is available in sizes 7 mm to 25 mm. Standard color is orange or black.

CrushShield 2442 is available in cut length to the following specifications:

- Recommended standard cut length is in 5 mm increments

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