



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
- Wire harness

CrushShield® 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 is available in orange, for identification of the high voltage cables in hybrid-electric or electric vehicles, as well as black.



Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)

Performance Data – CrushShield®

Property	Test Method	Result
Temperature Rating		+150°C (+302°F)
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. Please consult your sales representative for product drawings, test reports and OEM approvals.

Construction and Typical Product Characteristics

Polyester (PET) monofilament/multifilament
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Availability

Please contact your sales representative for size availability and packaging requirements.

Standard Sizes

Commercial Part Number	Nominal Diameter (mm)	Thickness (mm)	Weight g/m	Standard Packaging
CrushShield 7-X	7	1.6	53	CrushShield is available in cut lengths from 51 mm to 500 mm. For additional lengths, please contact your sales representative.
CrushShield 10-X	10	1.6	65	
CrushShield 13-X	13	1.6	77	
CrushShield 16-X	16	1.6	93	
CrushShield 19-X	19	1.6	104	
CrushShield 25-X	25	1.6	145	
CrushShield 29-X	29	1.6	150	
CrushShield 38-X	38	1.6	190	

X = Color Code: 0 = Black 3 = Orange

Part Numbering System

Example:	Product Name	Size	Color
	CrushShield	13	0 (black)

United States: (1) 800 926 2472 • México: (52) 442 101 8100 • Brazil: (55) 19 3116 1600

EMEA: (33) 3 44 39 06 06 • Japan: (81) 45 330 0300 • China: (86) 21 6182 7560

Southeast Asia: (66) 35 276 400 • Korea: (82) 44 861 6368 • India: (91) 124 4784565

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