



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

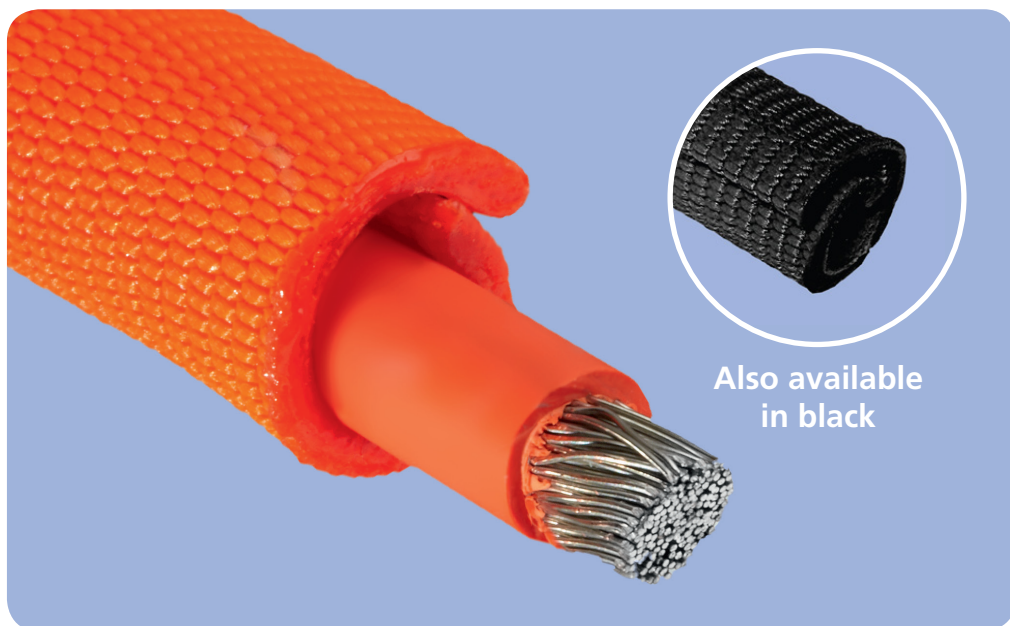
## Typical Applications

- High voltage electrical cables
- Wire harness
- Pipes and tubes



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

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**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 2442'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 2442 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, as well as black.

**BentleyHarris®**  
Protection Products

# Performance Data – CrushShield® 2442

Property	Test Method	Result
Temperature Rating	240 hours at 175°C (150°C rating)	Pass +150°C (+302°F)
Flammability	SAE J369	Self-extinguishing
Low Temperature Flexibility	BH100-016A	Pass -70°C (-94°F)
Chipping Resistance	SAE J400	Pass
Dynamic Cut-Through	ASTM D3032-10 Section 22 (modified)	650 N avg.
Fluid Resistance	BH100-003B	Pass

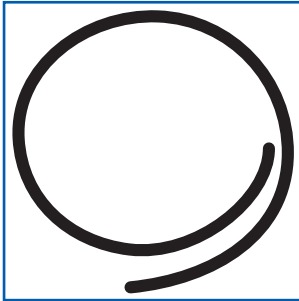
All numeric performance data shows average or typical values. Please consult your sales representative for product drawings, test reports and OEM approvals.

## Construction and Typical Product Characteristics

Warp Yarn: Polyester (PET) multifilament
Fill Yarns: Polyester (PET) monofilament and multifilaments

## Availability

CrushShield 2442 is available in a range of sizes and cut to your specification. Color is orange or black. Please consult your sales representative for availability.



End view of CrushShield 2442 illustrating self-wrapping construction.

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