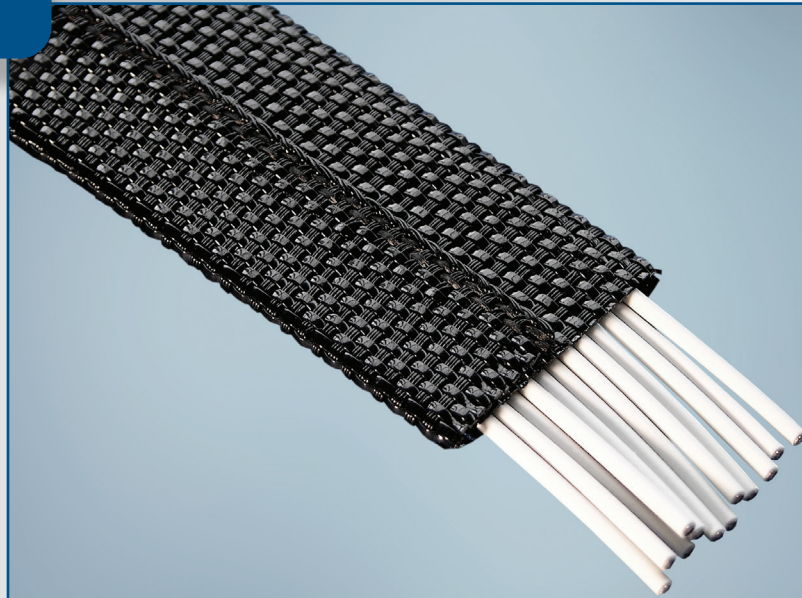## Product Highlights

- Operating temperature up to +125°C (+257°F)

- Maintains wires in flat configuration

- Low Profile

- Lightweight

- Provides directional flexibility

- Available in multiple widths

Typical Applications

- Wire Harnesses

- Under carpet wire assemblies

- Headliner wire assemblies

- Flat Wire assemblies

- Door Harnesses

- Seat Harnesses

FlattenIt™ is an advanced textile structure engineered to facilitate the installation of round wire bundles into tight or confined spaces. Woven with lightweight thermoplastic yarns, the product maintains wire bundles in a flat, low profile. By forcing wires to lay in a flat position, the bundle size is reduced, allowing routing through confined areas such as under carpet, headliner, under seat and door harness applications. The combination of flexibility, strength and low bulk make FlattenIt an obvious choice for engineers requiring more design freedom than allowed by typical plastic channels.

Woven with an integral closure mechanism, FlattenIt opens to enable easy installation yet closes securely to maintain integrity of the wire bundle. The closure is designed to allow easy access for inspection, rework or replacement of components. The product's wrap construction also permits installation onto portions of already installed wire harnesses.

RoHS COMPLIANT

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

Performance Data – FlattenIt™

Property	Test Method	Result
Temperature Rating		+125°C (+257°F)
Flame Resistance	SAE J369	Classification SE
Low Temperature Flexibility	BH 100-016A	Pass
Fluid Resistance	BH 100-003B	
5% NaCl Solution		Pass
50% Antifreeze Solution		Pass
Windshield Washer Fluid		Pass
Automatic Transmission Fluid		Pass
10W30 Motor Oil		Pass
Power Steering Fluid		Pass
Heavy Duty Brake Fluid		Pass
ASTM Reference Fuel B		Pass
Diesel Fuel		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 Ends - Polyester Monofilament	0.25 x 1.03 mm diameter
Fill Yarn - Polyester Monofilament	0.010" and 0.015" diameter

Availability

FlattenIt is available in 30mm, 40mm, 50mm, 65mm and 75mm widths. FlattenIt is available in cut lengths only. Please consult with the factory for custom lengths.

BentleyHarris® Protection Products