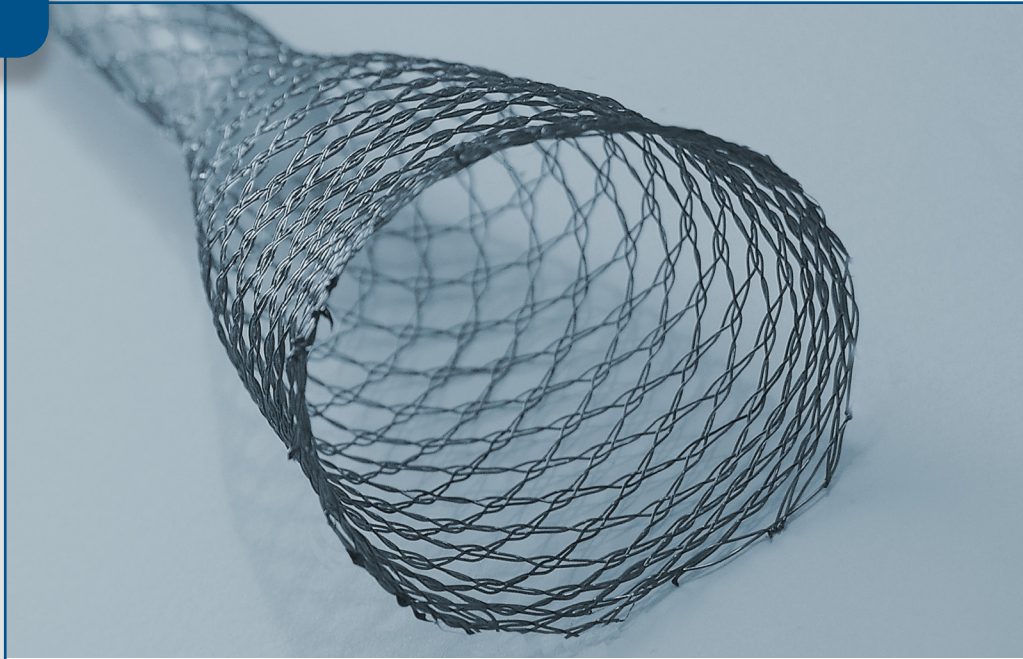## Product Highlights

- Operating temperature from -55°C to +150°C (-67°F to +302°F)

- Low toxicity and smoke generation

- Highly expandable design for bundling of wire harnesses over short and long lengths

- Stable construction once expanded

- Time reduction over standard tying methods

- Low profile solution

- EN 45545-2

- Allows visualization of color coding of cables underneath

- Does not trap heat or humidity

- Rot-free

Expando® B150 is a highly expandable sleeve designed for bundling of wire harnesses. Rated to +150°C (+302°F), Expando® B150 meets the standard of the railway industry in terms of flammability.

The design of Expando B150 allows the product to remain stable once expanded and its outstanding expansion range allows it to cover wire harness definitions from 5 to 55 mm with only 3 sizes. A special tool has been designed in 2 choices of lengths to speed-up installation over small and long lengths.

The inherent properties of the raw materials used give Expando B150 low levels of flammability, toxicity and smoke generation.

Expando B150 is used in the railway industry for its outstanding properties in extreme environments and its quick installation compared to standard tying methods. Expando B150 should be considered for railway applications.

RoHS COMPLIANT

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

Performance Data – Expando® B150

Property	Test Method	Result
PHYSICAL		
Operating Temperature Range		-55°C to +150°C (-67°F to +302°F)
Fire / Smoke / Toxicity	EN 45545	R22 HL3 R23 HL3
MECHANICAL		
Vibration	ASTM D4728	No damage to cables
CHEMICAL		
Fluid Resistance - Hydraulic fluids: NATO.0.156	EN 6059-303 Immersion for 24hrs at +70°C (+158°F)	No visible degradation or alteration after being exposed
Mold Growth	EN6059-306	Pass

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

Product Specifications

Commercial Part Number	Recommended Application Range mm (in)		Maximum Opening Diameter (mm²)	Maximum Weight g/m (lb/ft)	Standard Packaging m (ft)
	Min Ø	**Max Ø**			
Expando B150 10-X	5 (3/16")	18 (45/64")	25 (1")	2.2 (0.0015)	1200 (3937')
Expando B150 20-X	15 (19/32")	28 (1-3/32")	38 (1-1/2")	3.5 (0.0023)	900 (2953')
Expando B150 40-X	25 (1")	55 (2-5/32")	60 (2-3/8")	5.1 (0.0034)	700 (2297')

Note: X = 0 (black)

Part Numbering System

Example	Product Name	Size	Color	Quantity
	Expando B150	10	0 (black)	1200 m (3937 ft)

BentleyHarris®
Protection Products