

Project Datasheet

Product Highlights

- Operating Temperature
-60°C to +260°C
- Fire protection of wire harnesses acc. to ISO 2685
15 min at +1100°C
- Excellent cut-through and abrasion resistance
- Halogen-free
- Ideal for reworking components without disconnecting them
- Oil and water repellent



RounditTherm-B

RounditTherm-B is a multi-layer thickwall sleeving with an oil and water repellent treatment designed for thermal protection and maintenance of wire and cable bundles. Its construction with 100% covering ratio provides excellent cut-through and abrasion resistance.

The construction of **RounditTherm-B** ensures an excellent fire protection for wire harnesses up to +1100°C for 15 min according to ISO 2685 specification.

The self-wrapping feature of **RounditTherm-B** allows for quick and easy installation and removal of the product for assembly and maintenance.

This design offers innovative solutions to the protection of break-out areas and also provides ease of removal when inspection or maintenance of cables is necessary.

As an additional benefit, **RounditTherm-B** enables users to stock a limited range of sizes to cover a wide range of cables and wire diameters.

Closure of the product is secured thanks to a fire resistant lacing tape **NT-40** withstanding 15 min at +1100°C as per ISO 2685.

RounditTherm-B is mainly used in the aircraft industry.

Performance Data

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RounditTherm-B

Property	Test	Result
Physical		
Operating temperature range	EN 6059-302	-60°C to +260°C
Fire resistance	ISO 2685 – 15 min Wire harness diameter 10 with ARINC pairs, monofilaments, twisted pairs and twisted shielded pairs down to #24* 24h preliminary fluid immersion in : <ul style="list-style-type: none"> • Jet fuel (F34 JP8) • Hydraulic fluid (Skydrol Hyjet IV) • Lubricating oil (0-156) *Speced list available upon request	After 15 min flame exposure at +1100°C, no loss of resistance of insulation below 10 kΩ
Flammability/smoke density/toxicity	ABD 031 & FAR 25 § 853	Conforms
Water repellent	EN 6059-305	Pass
Mechanical		
Abrasion resistance	EN 6059-403	Pass
Dynamic cut-through	EN 6059-405	Pass
Vibrations	EN 6059-406	Pass
Chemical		
Fluid Resistance <ul style="list-style-type: none"> • Jet Fuel : JP4 (Otan F44) • Hydraulic Fluid : Skydrol 500 B4 • Mineral Oil: MIL-L-7870A • Synthetic Oil: MIL-L-23699 • Cleaning fluids: MIL-L 87936 • De-Icing fluid : MIL-A-8243 	EN 6059-303	Good resistance Good resistance Good resistance Good resistance Good resistance Good resistance
Mould Growth	EN 6059-306	Pass

Product Specifications

Description	Nominal Size (mm)	Size Range (mm)	Maximum Weight (g/m)	Standard Packaging (m)
RounditTherm-B 10-5	10	5 - 10	360	15
RounditTherm-B 16-5	16	10 - 16	495	15
RounditTherm-B 23-5	23	16 - 23	580	15
RounditTherm-B 32-5	32	23 - 32	710	15

Part Numbering System

Example: Description	Size	Colour	Quantity
RounditTherm-B	10	5 (camouflage-green)	15 m

Availability

Bentley-Harris® RounditTherm-B is available in sizes 10 to 32 mm and supplied on cardboard spools.

The standard colour is camouflage green.

Packaging according to the GALIA (ODETTE) standard.

All numeric data shows average or typical value.

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