



THERMAL MANAGEMENT

ROUNDIT® Therm-A

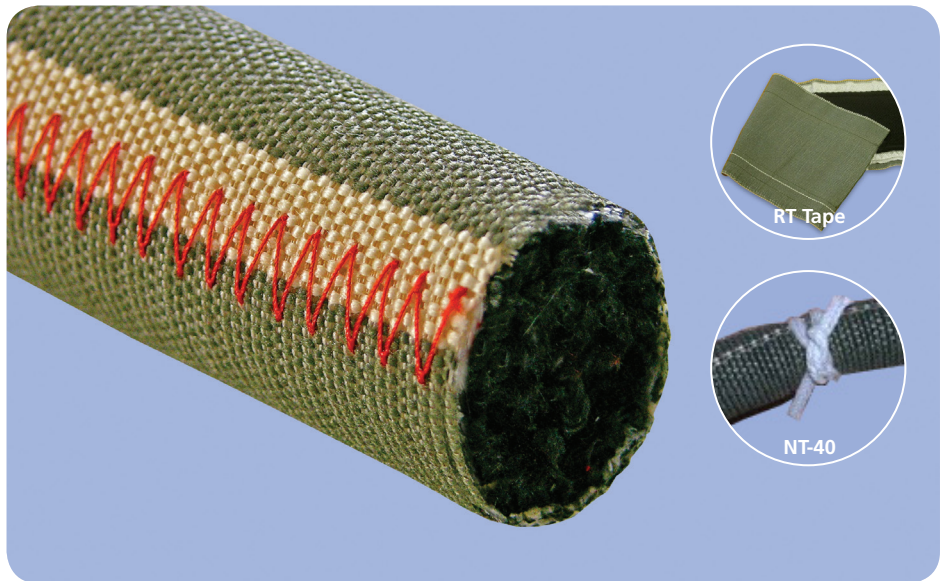
Product Highlights

- Operating temperature from -60°C to +260°C (-76°F to +500°F)
- ASD EN 6049-009
- Fire protection of wire harnesses acc. to ISO 2685: 5 min at +1100°C (+2012°F)
- Excellent cut-through and abrasion resistance
- Halogen-free
- Self-wrapping design
- Ideal for reworking components without disconnecting them
- Oil and water repellent



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

RITA_10042010



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

The construction of **ROUNDIT Therm-A** ensures an excellent fire protection for wire harnesses up to +1100°C (+2000°F) for 5 minutes according to ISO 2685 specification.

The self-wrapping design of **ROUNDIT Therm-A** allows for quick and easy installation and removal of the product for assembly and maintenance. This design also accommodates break-out areas and provides ease of removal when inspection or maintenance of cables is necessary. To secure break-out areas RT TAPE is available.

As an additional benefit, **ROUNDIT Therm-A** is available in a range of sizes to accommodate a variety of cables and wire diameters.

Closure of the product is secured with a fire resistant lacing tape NT-40 withstanding 5 min at +1100°C (+2000°F) in compliance with ISO 2685.

ROUNDIT Therm-A is mainly used in the aircraft industry.

BentleyHarris®
Protection Products

**FEDERAL
MOGUL**
Systems Protection

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Performance Data – ROUNDIT® Therm-A

Property	Test Method	Result
PHYSICAL		
Operating temperature range	EN 6059-302	-60°C to +260°C (-76°F to +500°F)
Fire resistance	ISO 2685 — 5 min Wire harness diameter 10 with ARINC pairs, monofilaments, twisted pairs and twisted shielded pairs down to #24* 24h preliminary fluid immersion in: Jet fuel (F34 JP8) Hydraulic fluid (Skydrol Hyjet IV) Lubricating oil (0-156) *Speced list available upon request.	After 5 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 Jet Fuel JP-5 (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
Mold Growth	EN 6059-306	Pass

Product Specifications

Commercial Part Number	Nominal Size mm (in)	Size Range mm (in)	Maximum Weight g/m (lbs/ft)	Standard Packaging m (ft)
ROUNDIT Therm-A 10-5	10 (0.39")	5 - 10 (0.20" - 0.39")	336 (0.225)	25 (82')
ROUNDIT Therm-A 16-5	16 (0.63")	10 - 16 (0.39" - 0.63")	336 (0.225)	25 (82')
ROUNDIT Therm-A 24-5	24 (0.94")	16 - 24 (0.63" - 0.94")	361 (0.241)	15 (49')
ROUNDIT Therm-A 32-5	32 (1.26")	24 - 32 (0.94" - 1.26")	436 (0.292)	15 (49')

Description	Width mm	Maximum Weight g/m	Standard Packaging m
RT TAPE	145 ± 10	338	25

Part Numbering System

Example	Product Name	Size	Color	Quantity
	ROUNDIT Therm-A	10	5 (green)	25 m

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