

Product Highlights

- Operating temperature from -60°C to +260°C (-76°F to +500°F)
- Fire protection of wire harnesses according to ISO2685 up to 15 min at +1100°C (+2012°F)
- Excellent cut-through and abrasion resistance
- Halogen-free
- Ideal for reworking components without disconnecting them
- Water repellent



ROUNDIT® Therm-B is a multi-layer thickwall sleeving with a 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-B ensures an excellent fire protection for wire harnesses up to +1100°C (+2000°F) for 15 minutes according to ISO 2685 specification.

The self-wrapping design 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.

As an additional benefit, ROUNDIT Therm-B 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 15 min at +1100°C (+2000°F) in compliance with ISO 2685.

ROUNDIT Therm-B is primarily used in the aircraft industry.



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

Performance Data – ROUNDIT® Therm-B

Property	Test Method	Result
PHYSICAL		
Operating temperature range	EN 6059-302	-60°C to +260°C
Fire resistance	ISO2685 up to 15 min at +1100°C 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) *Specped list available upon request.	No loss of resistance of insulation below 10 kΩ
Flammability/smoke density/toxicity	FAR 25 § 853 12 s	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

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	Nominal Size mm (in)	Size Range mm (in)	Maximum Weight g/m (lbs/ft)	Standard Packaging m (ft)
ROUNDIT Therm-B 10-5	10 (0.39")	5 - 10 (0.20" - 0.39")	360 (0.241)	15 (49')
ROUNDIT Therm-B 16-5	16 (0.63")	10 - 16 (0.39" - 0.63")	495 (0.331)	15 (49')
ROUNDIT Therm-B 23-5	23 (0.91")	16 - 23 (0.63" - 0.91")	580 (0.388)	15 (49')
ROUNDIT Therm-B 32-5	32 (1.26")	23 - 32 (0.91" - 1.26")	710 (0.475)	15 (49')

Part Numbering System

Example	Product Name	Size	Color	Quantity
	ROUNDIT Therm-B	10	5 (green)	15 m



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