

Product Highlights

- Working temperature
-54°C to +260°C
- Fire protection up to
+1100°C (15 min)
+800°C (30 min)
- Flexibility to -54°C
- Resistance to hydraulic
fluids and lubricating oils



Aerospace Thermotubix®

Thermotubix is a thickwall braided fiberglass sleeving coated with a specially compounded, flame retardant silicone rubber. This product can be easily installed on cables and hoses and expand to pass over fittings and couplings.

Thermotubix Aerospace grade offers an effective protection against sustained high temperatures, flames and molten metal splashes that can seriously damage electrical cables and hydraulic, gas and lubricant supply lines.

The construction of this product ensures an excellent fire protection for tubing up to +1100°C peak temperature according to SAE-ASTM specifications.

This product provides thermal protection against internal and external hazards in a variety of industries, including aeronautics, naval, iron and steel, and automotive.

There is also a coated fiberglass tape, called THERMOBAND, available. This is used for the fire protection of tubing after the fitting of end terminations.

BentleyHarris®
Protection Products

Performance Data

Property	Test	Result
Working temperature		-54°C to +260°C
Low temperature flexibility	ASTM D-746	-54°C
Flammability	ASTM D-350, Method B	Does not burn
Peak temperature		15 min at +1100°C 30 min at +800°C
Fire/fume	NFC 16.101	I2-F1
Fluid resistance	1 Hour soak in: gasoline, engine oil, power steering fluid, transmission fluid, coolant, battery acid	No cracking or degradation resulted from soak in any of the tested fluid

Product Specifications

Aerospace Thermotubix meets SAE Aerospace standard AS1072 type 2 for "Sleeve, Hose assembly, Fire protection".

Aerospace Thermotubix allows appropriate hose assemblies by qualified manufacturers to meet SAE Aerospace standard 1055.

Hoses sleeved with Aerospace Thermotubix have been tested in accordance with UL 73 and have designed to conform to UL 181 standards.

Availability

Bentley-Harris® Thermotubix Aerospace is available in sizes ranging from 8 mm to 101 mm. Standard colour is red iron oxide.

Consult us for other sizes and colours.

Product is available with indelible ink marking according to customer specifications.

6 and 9 meters standard packaging are supplied in one continuous length, 15 and 30 meters with variable cut lengths with a minimum of 4.5 meters length.

Industrial version is also available for other applications.

All numeric data show average or typical values.

Description	Internal diameter (mm)	Wall thickness (mm)	NATO specification	Standard packaging (m)
Thermotubix 8	8	4	5970-14-455-2318	30
Thermotubix 9.5	9.5	4	5970-14-455-2322	30
Thermotubix 12.7	12.7	4	5970-14-455-2324	30
Thermotubix 16	16	4	5970-14-413-6212	30
Thermotubix 19	19	4	5970-14-413-6213	30
Thermotubix 22	22	4	5970-14-413-6214	30
Thermotubix 25	25	4	5970-14-413-6215	15
Thermotubix 32	32	4	5970-14-413-6216	15
Thermotubix 38	38	4	5970-14-413-6217	15
Thermotubix 45	45	4	5970-14-413-6220	9
Thermotubix 51	51	4	5970-14-413-6221	9
Thermotubix 57	57	4	5970-14-413-6222	9
Thermotubix 64	64	4	5970-14-455-2328	6
Thermotubix 76	76	4	5970-14-455-2331	6
Thermotubix 89	89	4	5970-14-455-2332	6
Thermotubix 101	101	4	5970-14-455-2334	6

Description	Width (mm)	Thickness (mm)	NATO specification	Standard packaging (m)
Thermobande 25	25	3	-	30
Thermobande 51	51	3	-	30
Thermobande 76	76	3	-	30
Thermobande 152	152	3	-	30

Part Numbering System

Example:	Description	Diameter	Colour	Quantity
	Thermotubix	19	12 (Red-Iron)	30 m

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