

PROTECTIVE SLEEVING

Aerospace Thermotubix®

Thick wall braided fibreglass sleeving

Applications

Thermotubix is a thick wall braided fibreglass sleeving coated with a specially compounded, flame retardant silicone rubber. Thermotubix is easily installed and expands 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 ensures an excellent fire protection for tubing and cable assemblies up to +1100°C peak temperature, according to SAE-ASTM specifications.

Thermotubix provides thermal protection against internal and external hazards, in a variety of industries, including aerospace, naval, iron, steel and off-shore petrochemical and gas platforms.

Features & Benefits

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

Operating Temperature

- -54°C to +260°C



Note: For further information on the **Aerospace and Industrial Thermotubix** product range or assistance with your specific sleeving requirements, please contact **IS-Rayfast**.

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Technical Performance

Properties	Test	Results
Operating temperature range		-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	M2-FO
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 fluids

Aerospace Thermotubix Dimensions (all dimensions are in mm's)

Description	Internal Diameter (mm)	Wall Thickness (mm)	Standard Packaging (m)	Ordering Description
Aero Thermotubix 8	8	4	30	THERMOTUBIX-8mm-12
Aero Thermotubix 9.5	9.5	4	30	THERMOTUBIX-9.5mm-12
Aero Thermotubix 12.7	12.7	4	30	THERMOTUBIX-12.7mm-12
Aero Thermotubix 16	16	4	30	THERMOTUBIX-16mm-12
Aero Thermotubix 19	19	4	30	THERMOTUBIX-19mm-12
Aero Thermotubix 22	22	4	30	THERMOTUBIX-22mm-12
Aero Thermotubix 25	25	4	15	THERMOTUBIX-25mm-12
Aero Thermotubix 32	32	4	15	THERMOTUBIX-32mm-12
Aero Thermotubix 38	38	4	15	THERMOTUBIX-38mm-12
Aero Thermotubix 45	45	4	9	THERMOTUBIX-45mm-12
Aero Thermotubix 51	51	4	9	THERMOTUBIX-51mm-12
Aero Thermotubix 57	57	4	9	THERMOTUBIX-57mm-12
Aero Thermotubix 64	64	4	6	THERMOTUBIX-64mm-12
Aero Thermotubix 76	76	4	6	THERMOTUBIX-76mm-12
Aero Thermotubix 89	89	4	6	THERMOTUBIX-89mm-12
Aero Thermotubix 101	101	4	6	THERMOTUBIX-101mm-12

Note: Aerospace Thermotubix is also available with an indelible ink marking, for more information please contact **IS-Rayfast**.

Ordering Information

Standard colour: 12 = (Red iron oxide).

Ordering description: Specify product name, size and colour; **THERMOTUBIX-51mm-12**

Ordering Example: A red iron oxide protective sleeve capable of covering a 15mm cable diameter is required = **THERMOTUBIX-16mm-12** (12=Red iron oxide).
A red iron oxide protective sleeve capable of covering a 72mm cable diameter is required = **THERMOTUBIX-76mm-12** (12=Red iron oxide).