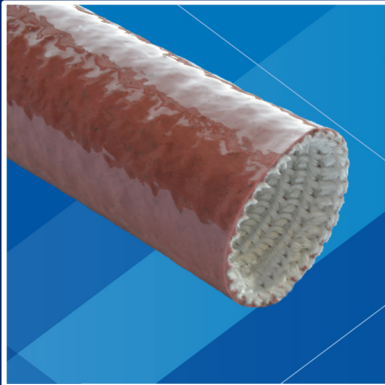


PROTECTION SLEEVES

HTR-VSCTF

Protecto-Glass sleeving, impregnated with silicone, fire resistant



Highlights

- Halogen free
- Operation temp.: -70 °C bis 235 °C
- Good fraying resistance when cut
- Thick-walled but flexible
- Total wall thickness: 2 mm (also 4 mm)
- Meets EN 45545-2
- Fire resistant, resistant to molten steel splashes
- Self-extinguishing
- High thermal insulation
- Standard colour: red, black and orange on request

Dimensions

Art.-No.	Reference	Size (mm)	Size (inch)	Standard packaging (m)
ZXXXXX	HTR-VSCTF 4	4	5/32"	90
ZXXXXX	HTR-VSCTF 6	6	15/64"	30
ZXXXXX	HTR-VSCTF 8	8	5/16"	30
ZXXXXX	HTR-VSCTF 10	10	25/64"	30
ZXXXXX	HTR-VSCTF 12	12	15/32"	30
ZXXXXX	HTR-VSCTF 14	14	35/64"	50
ZXXXXX	HTR-VSCTF 16	16	5/8"	50
ZXXXXX	HTR-VSCTF 18	18	45/64"	50
ZXXXXX	HTR-VSCTF 20	20	25/32"	25
ZXXXXX	HTR- VSCTF 25	25	63/64"	25
ZXXXXX	HTR- VSCTF 30	30	1 3/16"	25
ZXXXXX	HTR- VSCTF 35	35	1 3/8"	25
ZXXXXX	HTR- VSCTF 40	40	1 37/64"	20
ZXXXXX	HTR- VSCTF 45	45	1 49/64"	15
ZXXXXX	HTR- VSCTF 50	50	1 31/32"	15
ZXXXXX	HTR- VSCTF 60	60	2 23/64"	15

Created by: VS 20.11.2020

We reserve the right to make product changes.

**RELIABLE, FLEXIBLE,
CUSTOMER-ORIENTED**

HEINRICH THULESIUS GMBH & CO. KG
Zum Panrepel 15, D-28307 Bremen, GERMANY



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PROTECTION SLEEVES

HTR-VSCTF

Protecto-Glass sleeving, impregnated with silicone, fireproof

Technical characteristics

Property	Test	Inspection requirements	Typical values
Thermal	Thermal overcharges	20 minutes at +1090 °C, 15 sec. at 1640 °C	Passed
	Operating temperature		-70 °C to +235 °C
	Ageing resistance	Simulation of real operating conditions: 60 days at +235 °C, 7 days at +265 °C	Neither cracks nor deformation on the silicone rubber surface, dielectrical strength according to UL1441
	Thermal insulation	BUNDY sa N° 1-006 R4, 1 hour Emitter temperature 250 °C (482 °F), Distance 35 mm	Maintains an inside temperature of 82 °C (180 °F)
	Cold resistance	Bending at -70 °C, IEC 60684 - Part 2 Clause 14	No cracking
Chemical	Smoke class	NF F 16-101	Smoke index: IF 12, Smoke class: F1, Reaktion to fire: Class I1
	Smoke density	ISO 5659-2	Ds max.: 232
	Flammability	EN45545-2 2013; R22&R23: Hazard level HL1, HL2, HL3	Self-distinguishing
	Oxygen index	NF EN ISO 4589-2 1999	l O: 47,3%
	Gas toxicitiy	NF X-70-100-1 2006 NF X-70-100-2 2006	ITC: 6,15

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