REVITEX VSCTF RW

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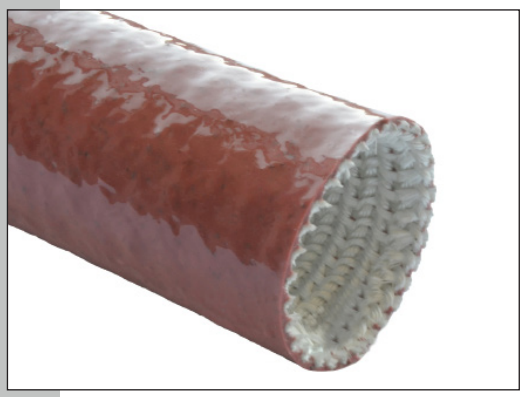
SLEEVINGS FOR THERMAL, ELECTRICAL, MECHANICAL & EMI APPLICATIONS



SPECIFICATIONS:

· IEC60684
· EN ISO 11925-2
· ISO 5659-2
· NF X 70-100 NF X 10-702
· NF EN 60695 2/1
· NF EN ISO 4589
· NF F 16-101
· EN 45545-2-2013

APPLICATION:

This glass sleeving impregnated with silicone varnish is flexible and compatible with most impregnating varnish systems, it is ideal thermal and electrical insulation in heaters and other devices with a very high operating temperature.

DESCRIPTION:

Fiberglass sleeving, thick wall, coated with self extinguishing and fire resistant silicone rubber, that guarantees a high degree of thermal insulation and fire protection.

OPERATING TEMPERATURE: -70°C to +235°C (3000 hours)
(-94°F to +455°F)
Peaks at +300°C (1 hour)
(+572°F)

ITS MAIN FEATURES ARE:

- Heavy wall construction
- High thermal insulation, heat barrier
- Minimum wall thickness: 2mm (0.079 in)
- Non fraying
- Halogen free
- Self-extinguishing
- Fire resistant
- Flexible
- Excellent resistance to oils, fluids and aggressive chemical agents
- Resistant to molten steel splashes
- Dielectrical strength (UL1441): 6,0 KV breakdown

NOTE: Colour tone may vary. This does not affect technical properties of sleeve.

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PUT UP:

On coils of variable length, depending on the diameter of the sleeving. On request in cut lengths or spools.

HANDLING:

Care should be taken to minimize dust formation during handling and cutting this glass based material as dust or broken particles may cause skin irritation. The use of barrier creams on exposed areas will minimize the risk of skin irritation. For product safety data and product disposal advice, see separate Safety Data Sheet.

NOTES:

This information and data is believed to be accurate and reliable. We place at your disposal the technical information necessary for the correct use of our products and offer the possibility of simulating in our laboratory the conditions of many applications, in order to advise on the suitability of our products. As conditions and methods of use are beyond our control, the user must confirm suitability before adopting our products for commercial use. We reserve the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market.

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TECHNICAL CHARACTERISTICS:

Property	Test	Result	
Single Flame Source Test (*)	EN ISO 11925-2:2002	Ignition at the surface 15 sec.	Pass
		Ignition at the surface 30 sec.	Pass
		Ignition at the edge 15 sec.	Pass
		Ignition at the edge 30 sec.	Pass
Smoke Density (*)	ISO 5653-2	Ds max: 232	
Gas Toxicity (*)	NF X 70-100-1 2006 + NF X 70-100-2 2006	Conventional Toxicity Index ITC: 6,15	
Glow Wire Flammability Test (*)	NF EN 60695-2-11:2001 + NF EN 60695-2-10:2001	No ignition at 850°C (1562°F). Ignition at 960°C (1760°F) - No flame resistance at 960°C (1760°F) after glow vire withdrawal	
Oxygen Index (I.O.) (*)	NF EN ISO 4589-2:1999	47,30%	
Smoke Class (*)	NF F 16-101	Smoke Index IF: 12; Smoke Class: F1 Reaction to fire Class: I1	
Fire Resistant Test	30 minutes directe hot air gun flow	Interior temperature: 266°C (511°F)- ΔT: 534°C (993°F) Pass - Wire cables acc. UNI CEI 50264 & 50306 inside the sleeving with no damage and with continuous current.	
	30 minutes directe flame exposure at 1000°C (1832°F)	Interior temperature: 312°C (594°F)- ΔT: 688°C (1270°F) Pass - Wire cables acc. UNI CEI 50264 & 50306 inside the sleeving with no damage and with continuous current.	
Thermal Overcharges	20 minutes at +1090°C (1994°F)	Pass	
	15 seconds at +1640°C (2984°F)	Pass	
Ageing Resistance	Simulation of real operating conditions	After the process of accelerated thermal ageing: 60 days at +235°C (+455°F); 7 days at +265°C (509°F). There are neither cracks nor deformations to be observe on the surface of silicone rubber coating an values obtained for dielectric strength meet the values required in UL1441.	
Cold Resistance	Bending at low temperature IEC60684-Part2 Cl.14	No cracking afte bending at -70°C (-94°F)	
Fire Behaviour	EN 45545-2-2013	R1, R5: Hazard Level HL1 ; R22: Hazard Level HL1, HL2; R23 ; Hazard Level HL1, HL2 HL3	
Circuit integrity for electrical small cables used in emergency circuits	EN 50200	Circuit integrity maintained for 30 minutes	
Circuit integrity for Electric Cables of Rated Voltage up to and including 0,6/1,0 kV under fire conditions	IEC 60331-21	Circuit integrity maintained for 30 minutes	

(*) Test performed at Warrington Fire LAPI

DIMENSIONS:

Reference	Size (mm) (in)	Standard packaging (m) (ft)
VSCTFRT040	4,0 (5/32")	90 (295)
VSCTFRT060	6,0 (15/64")	30 (98)
VSCTFRT080	8,0 (5/16")	30 (98)
VSCTFRT100	10,0 (25/64")	30 (98)
VSCTFRT120	12,0 (15/32")	30 (98)
VSCTFRT140	14,0 (35/64")	50 (164)
VSCTFRT160	16,0 (5/8")	50 (164)
VSCTFRT180	18,0 (45/64")	50 (164)
VSCTFRT200	20,0 (25/32")	25 (82)
VSCTFRT220	22,0 (55/64")	25 (82)
VSCTFRT250	25,0 (63/64")	25 (82)
VSCTFRT300	30,0 (1 3/16")	25 (82)
VSCTFRT350	35,0 (1 3/8")	25 (82)
VSCTFRT380	38,0 (1 1/2")	25 (82)
VSCTFRT400	40,0 (1 37/64")	20 (68)
VSCTFRT450	45,0 (1 49/64")	15 (49)
VSCTFRT500	50,0 (1 31/32")	15 (49)
VSCTFRT550	55,0 (2 11/64")	15 (49)
VSCTFRT600	60,0 (2 23/64")	15 (49)
VSCTFRT650 (*)	65,0 (2 9/16")	15 (49)
VSCTFRT700 (*)	70,0 (2 3/4")	15 (49)
VSCTFRT750 (*)	75,0 (2 61/64")	15 (49)
VSCTFRT800 (*)	80,0 (3 5/32")	15 (49)
VSCTFRT850 (*)	85,0 (3 11/32")	15 (49)
VSCTFRT900 (*)	90,0 (3 35/64")	15 (49)
VSCTFRT950 (*)	95,0 (3 47/64")	15 (49)

NOTE: Other diameters supplied upon request. (*) Under development