

# **Relats products PowerGen**

## Relats product: VSC\_\_TS

### DESCRIPTION:

Sleeving made of a special silicone rubber coated fiberglass braid with one end bonded with silicone. This is a Class 200 electrical insulating sleeving.

**OPERATING TEMPERATURE:** -70°C to +235°C  
Peaks at +300°C



Dielectric Strength: from 2,5kV to 13,5kV

Relats VSC25TS technical information:

Property	Test	Result
Heat Resistance	UL1441: 7 days at +265°C 60 days at +235°C	No cracking or detachment of coating shall be visible and the original colors shall be clearly recognizable.
Flammability	FMVSS 302	Self-extinguishing
Cold Resistance	Bending at low temperature IEC60684 - Part 2 Clause 14 at -70°C	No cracking or detachment of coating shall be visible.
Chemical Resistance	Simulation of real operating conditions	Compatible with most insulating varnishes and transformer oils.
Dielectric Strength	UL1441	Minimum 2,5 kV ; Average: 4,0 kV

## DESCRIPTION:

Revitex Therm Tape Cord is composed of woven fiberglass tape and knitbraided fiberglass yarn filled with textured fiberglass threads.

The most common construction involves the use of electrical grade braided fiberglass cord which is wrapped, sewn and fully encapsulated in woven fiberglass tape.

The support cord are free of oil-dextrine.

**OPERATING TEMPERATURE:** -70°C up to +600°C

## ITS MAIN FEATURES ARE:

- Highly flexible
- Highly strong
- Resistance to oils, solvents and most chemicals
- Halogen free
- Asbestos free

## DIMENSIONS:

Reference	Diameter (mm)	Diameter tolerance (mm)	Width (mm)	Wall thickness (mm)	Standard Packaging (m)
CFVB304005	5	± 0,5	40 ± 5	0,30 ± 0,03	TBD
CFVB306007	7	± 0,5	60 ± 5	0,30 ± 0,03	TBD
CFVB306008	8	± 0,5	60 ± 5	0,30 ± 0,03	TBD
CFVB306010	10	± 0,5	60 ± 5	0,30 ± 0,03	TBD
CFVB306012	12	± 0,5	60 ± 5	0,30 ± 0,03	TBD

**NOTE:** Standard colour: White  
Other diameters supplied upon request.

## Application:

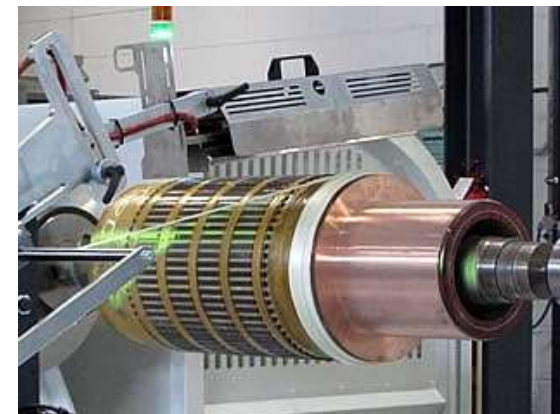
- Tape Cord keeps the banding tapes locked during the centrifugal force generated by the movement of the rotor.



Relats Tape Cord



Banding machine



Banding process

## DESCRIPTION:

Revitex Therm Support Cord is composed of braided polyester yarn and filled with textured fiberglass threads.

This is a product to be used as a support cord in motors and generators. The consistency of this product range could varies depending on the final application.

The support cord are free of oil-dextrine.

**OPERATING TEMPERATURE:** -70°C to +180°C

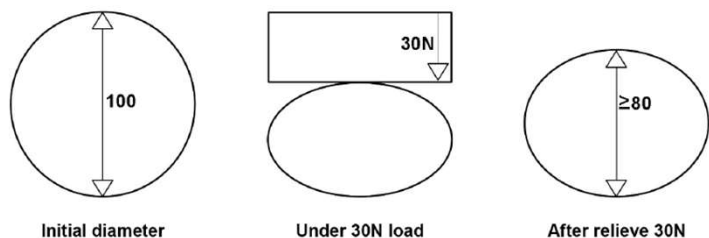
## ITS MAIN FEATURES ARE:

- Halogen free
- Oil-dextrine free
- Asbestos free
- Excellent chemical resistance
- Excellent compatibility with insulating varnishes

## TECHNICAL CHARACTERISTICS:

Compressibility: Apply 30N load and when relieved should return  $\geq 80\%$  of its initial diameter.

Example:



## Application:

- Support Cord is widely used to tight and brace the coil winding into the stator to optimize space, avoid inner air and **improve motor efficiency thanks to its high performance density.**





## DESCRIPTION:

Sleeving made of fiberglass braid coated with silicone rubber as a first internal layer. As second external layer made of a braided polyester sleeving with acrylic impregnation.

**OPERATING TEMPERATURE:** -70°C to +155°C  
Peaks at +180°C

## ITS MAIN FEATURES ARE:

- Halogen free
- Self-extinguishing
- Good abrasion resistance
- Guillotine cutting
- Good fraying resistance
- Excellent chemical resistance to oils, fluids and aggressive chemical agents



## DIELECTRIC STRENGTH:

Test	Method	V2A 25
		Minimum
UL 1441	25 mm Inst. B / D (kV)	6,0 kV)

## TECHNICAL CHARACTERISTICS:

Property	Test	Result
Heat Resistance	Bending after heating IEC 60684 Part 2 Clause 13 48 hours at +155°C	No cracking or detachment of the surface shall be visible
Chemical Resistance	Simulation of real operating conditions	Compatible with most insulating varnishes and transformer oils
Cold Resistance	Bending at low temperature IEC 60684 Part 2 Clause 14 at -70°C	No cracking or detachment of coating shall be visible

## DESCRIPTION:

Braided sleeving made of multifilament polyester (polyethylene terephthalate). Its main characteristic is the special form of braiding which allows increasing the interior diameter of the sleeving considerably, the sleeving at the same time contracting in length.

Due to the special disposition of the yarns the coverage of this sleeving is almost 100% in all of its expansion range.



**OPERATING TEMPERATURE:** -40°C to +150°C

## ITS MAIN FEATURES ARE:

- Halogen free
- Chemical resistance
- Abrasion resistance
- Self-extinguishing

## DIMENSIONS:

BOPU "a"	Reference	Nominal Diameter (mm)	Maximum Diameter (mm)
BOPU 12	P881100133	10	12
BOPU 14	P642200121	12	14
BOPU 16	P802200121	14	18
BOPU 18	P801100319	16	20
BOPU 20	P962200121	18	22

## innovative covering solutions

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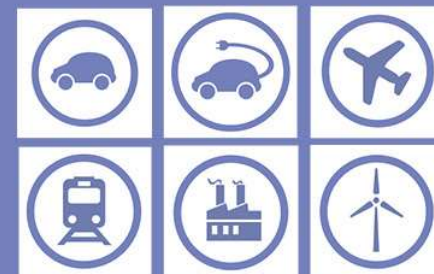
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