



# Insulating Sleeves

## Cable ties - Cable glands - Insulating ribbons



Fiberglass sleeves - Heat shrinkable tubing  
PVC sleeves - Braided sleeves  
Special cables

# G8 Motori

## Insulated sleeves division

G8 motori is a company operating in the electro mechanics fields since many years. Research, materials development and customer satisfaction are our strengths that allowed us to grow steadily over the years.

The experience in the electronic industry has led G8 Motori to develop his own insulated fiberglass sleeves to fit today's security needs, creating new solutions in the electro thermal insulation.

We serve and offer our products to various industrial fields such as electrical wiring, construction of electrical panels, automotive, household appliances, lighting, aerospace, marine and rail.

Today the G8 Motori offers a full range of thermal and electrical insulation products, always in stock thanks to proper management of the material, characteristics that meet the needs of our current customers and solve problems of our future customers.

Insulating materials shall be selected considering the following elements:

- Electrical characteristics
- Abrasion resistance
- Inflammability
- Thermal stability
- Chemical stability
- Humidity resistance

The materials that we use are mainly fiberglass, silicone, acrylic polyurethane resins, PVC (polyvinyl chloride), which combined in different measure meet the needs of our customers.

The fiber glass does not feed the fire and the flames spread, isolates from the high and low temperatures and has a good mechanical longitudinal.

The silicone rubber have the peculiarity of being remarkably resistant to the temperature, chemical attack and oxidation. It is also an excellent electrical insulator, non-stick, flexible and it is resistant to aging at high temperatures.

Polyurethane acrylic and PVC resins have good mechanical and electronic characteristics. They are used for thermal insulation up to 155 °.



Insulated sleeves division



File Number E304884

# Fiberglass sleeve

# Cod. TVS 1.5 Kv



**Tube structure:** fiberglass braided support covered with silicone resin.

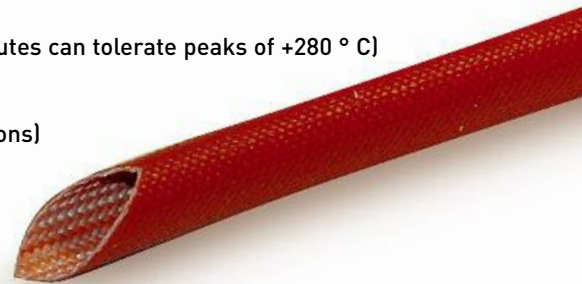
**Description:** the union between the fiberglass and silicone resin using a thermal process, ensures at the sleeve type 1.5 KV TVS good dielectric properties, thermal protection and elasticity.

#### Characteristics:

- electrical insulation: from 1.000 v to 1.500 v
- operating temperature: from -60 ° C to + 200 ° C (for a few minutes can tolerate peaks of +280 ° C)
- discrete mechanical strength
- high flexibility – torsion - tension
- corrosion resistance (to the normal mineral oils and hydrocarbons)
- does not propagate the flame
- thermal protection

#### Application fields:

- electric motors for class H 180 °C and Class C 220 °C
- transformers
- electrical cables in general (electrical, electronic, heating, etc.)
- lighting systems
- electrical panels



Internal diameter (mm)		Wall thickness mm	Internal diameter (mm)		Wall thickness mm
Nominal	Tolerance		Nominal	Tolerance	
0.8	0~+0.3	0.5+/-0.1	10	0~+0.5	0.7+/-0.15
1	0~+0.3	0.5+/-0.1	12	0~+0.5	0.7+/-0.15
1.5	0~+0.3	0.5+/-0.1	14	0~+0.5	0.7+/-0.15
2	0~+0.3	0.5+/-0.1	16	0~+0.8	0.7+/-0.20
2.5	0~+0.4	0.5+/-0.1	18	0~+0.8	0.7+/-0.20
3	0~+0.4	0.5+/-0.1	20	0~+0.8	0.7+/-0.20
3.5	0~+0.4	0.5+/-0.1	22	0~+0.8	0.7+/-0.20
4	0~+0.4	0.5+/-0.1	24	0~+1.0	1.0+/-0.30
5	0~+0.4	0.5+/-0.1	26	0~+1.0	1.0+/-0.30
6	0~+0.4	0.5+/-0.1	28	0~+1.0	1.0+/-0.30
7	0~+0.5	0.5+/-0.1	30	0~+1.0	1.0+/-0.30
8	0~+0.5	0.7+/-0.15	32	0~+1.0	1.0+/-0.30
9	0~+0.5	0.7+/-0.15	35	0~+1.0	1.0+/-0.30

Standard colour: brick red. Other colours available on request: black, white, green, blue, yellow and brown. Packing on reels upon request. Possibility of cut at the size requested. UL certification available upon request.



File Number E304884

# Fiberglass sleeve

# Cod. TVS 2.5 Kv



**Tube structure:** fiberglass braided support covered with silicone resin.

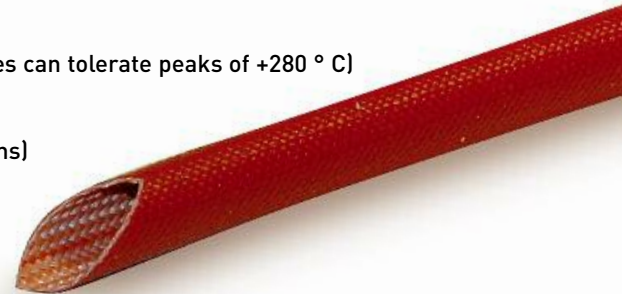
**Description:** the union between the fiberglass and silicone resin using a thermal process, ensures at the sleeve TVS 2.5 KV good dielectric properties, thermal protection and elasticity.

### Characteristics:

- electrical insulation: from 2.000 v to 3.000 v
- operating temperature: from -60 °C to + 200 °C (for a few minutes can tolerate peaks of +280 ° C)
- discrete mechanical strength
- high flexibility – torsion - tension
- corrosion resistance (to the normal mineral oils and hydrocarbons)
- flame retardant
- thermal protection

### Application fields:

- electric motors for class H 180 °C and Class C 220 °C
- transformers
- electrical cables in general (electrical, electronic, heating, etc.)
- lighting systems
- electrical panels



Internal diameter (mm)		Wall thickness mm	Internal diameter (mm)		Wall thickness mm
Nominal	Tolerance		Nominal	Tolerance	
0.8	0~+0.3	0.5+/-0.1	10	0~+0.5	0.7+/-0.15
1	0~+0.3	0.5+/-0.1	12	0~+0.5	0.7+/-0.15
1.5	0~+0.3	0.5+/-0.1	14	0~+0.5	0.7+/-0.15
2	0~+0.3	0.5+/-0.1	16	0~+0.8	0.7+/-0.20
2.5	0~+0.4	0.5+/-0.1	18	0~+0.8	0.7+/-0.20
3	0~+0.4	0.5+/-0.1	20	0~+0.8	0.7+/-0.20
3.5	0~+0.4	0.5+/-0.1	22	0~+0.8	0.7+/-0.20
4	0~+0.4	0.5+/-0.1	24	0~+1.0	1.0+/-0.30
5	0~+0.4	0.5+/-0.1	26	0~+1.0	1.0+/-0.30
6	0~+0.4	0.5+/-0.1	28	0~+1.0	1.0+/-0.30
7	0~+0.5	0.5+/-0.1	30	0~+1.0	1.0+/-0.30
8	0~+0.5	0.7+/-0.15	32	0~+1.0	1.0+/-0.30
9	0~+0.5	0.7+/-0.15	35	0~+1.0	1.0+/-0.30

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File Number E331136

# Fiberglass sleeve

# Cod. TVS 4.0 Kv



**Tube structure:** fiberglass braided support covered with silicone rubber.

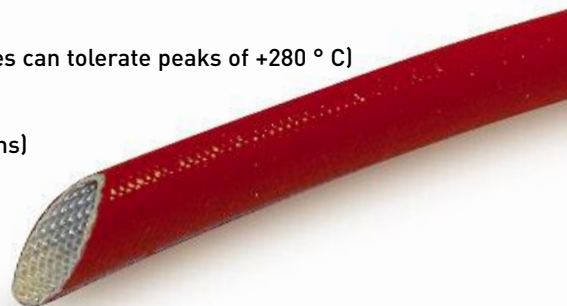
**Description:** the union between the fiberglass and silicone rubber using a thermal process, ensures at the sleeve TVS 4.0 KV good dielectric properties, thermal protection and elasticity.

**Characteristics:**

- electrical insulation: from 3.000 v to 4.000 v
- operating temperature: from -60 °C to + 200 °C (for a few minutes can tolerate peaks of +280 ° C)
- discrete mechanical strength
- high flexibility – torsion - tension
- corrosion resistance (to the normal mineral oils and hydrocarbons)
- does not propagate the flame
- thermal protection

**Application fields:**

- electric motors for class H 180 °C and Class C 220 °C
- transformers
- electrical cables in general (electrical, electronic, heating, etc.)
- lighting systems
- electrical panels



Internal diameter (mm)		Wall thickness mm	Internal diameter (mm)		Wall thickness mm
Nominal	Tolerance		Nominal	Tolerance	
0.8	0~+0.3	0.5+/-0.1	10	0~+0.5	0.7+/-0.15
1	0~+0.3	0.5+/-0.1	12	0~+0.5	0.7+/-0.15
1.5	0~+0.3	0.5+/-0.1	14	0~+0.5	0.7+/-0.15
2	0~+0.3	0.5+/-0.1	16	0~+0.8	0.7+/-0.20
2.5	0~+0.4	0.5+/-0.1	18	0~+0.8	0.7+/-0.20
3	0~+0.4	0.5+/-0.1	20	0~+0.8	0.7+/-0.20
3.5	0~+0.4	0.5+/-0.1	22	0~+0.8	0.7+/-0.20
4	0~+0.4	0.5+/-0.1	24	0~+1.0	1.0+/-0.30
5	0~+0.4	0.5+/-0.1	26	0~+1.0	1.0+/-0.30
6	0~+0.4	0.5+/-0.1	28	0~+1.0	1.0+/-0.30
7	0~+0.5	0.5+/-0.1	30	0~+1.0	1.0+/-0.30
8	0~+0.5	0.7+/-0.15	32	0~+1.0	1.0+/-0.30
9	0~+0.5	0.7+/-0.15	35	0~+1.0	1.0+/-0.30

Standard colour: red brick. Other colours available on request: black, white, green, blue, yellow and brown. Packing on reels upon request. Possibility of cut at the size requested. UL certification available upon request.



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File Number E304884

# Fiberglass sleeve

# Cod. TVS 7.0 Kv



**Tube structure:** fiberglass braided support covered with silicone rubber.

**Description:** the union between the fiberglass and silicone rubber using a thermal process, ensures at the sleeve TVS 7.0 KV good dielectric properties, thermal protection and elasticity.

**Characteristics:**

- electrical insulation: up to 7 KV
- operating temperature: from -60 ° C to + 200 ° C (for a few minutes can tolerate peaks of +280 ° C)
- discrete mechanical strength
- high flexibility – torsion - tension
- corrosion resistance (to the normal mineral oils and hydrocarbons)
- does not propagate the flame
- thermal protection

**Application fields:**

- electric motors for class H 180 °C and Class C 220 °C
- transformers
- electrical cables in general (electrical, electronic, heating, etc.)
- lighting systems
- electrical panels



Diameter (mm)	Diameter tolerance	Wall thickness (mm)	Wall thickness tolerance
0.8	+0.2	> 0.40	+0.1
1	+0.2	> 0.40	+0.1
1.5	+0.2	> 0.40	+0.1
2	+0.2	> 0.40	+0.1
2.5	+0.2	> 0.50	+0.2
3	+0.2	> 0.50	+0.2
3.5	+0.3	> 0.50	+0.2
4	+0.3	> 0.70	+0.2
5	+0.3	> 0.70	+0.2
6	+0.3	> 0.70	+0.2
7	+0.3	> 0.80	+0.2
8	+0.3	> 0.80	+0.2
9	+0.5	> 0.80	+0.2
10	+0.5	> 0.80	+0.2
12	+0.5	> 0.95	+0.3
14	+0.5	> 0.95	+0.3
16	+0.7	> 0.95	+0.3

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File Number E331136

# Fiberglass sleeve

# Cod. TVS 10 Kv



**Tube structure:** fiberglass braided support covered with silicone rubber.

**Description:** the union between the fiberglass and silicone rubber using a thermal process, ensures at the sleeve TVS 10.0 KV good dielectric properties, thermal protection and elasticity.

**Characteristics:**

- electrical insulation: up to 10.0 KV
- operating temperature: from -60 °C to + 200 °C (for a few minutes can tolerate peaks of +280 ° C)
- discrete mechanical strength
- high flexibility – torsion - tension
- corrosion resistance (to the normal mineral oils and hydrocarbons)
- does not propagate the flame
- thermal protection

**Application fields:**

- electric motors for class H 180 °C and Class C 220 °C
- transformers
- electrical cables in general (electrical, electronic, heating, etc.)
- lighting systems
- electrical panels



Diameter (mm)	Diameter tolerance	Wall thickness (mm)	Wall thickness tolerance
0.8	+0.2	> 0.40	+0.1
1	+0.2	> 0.40	+0.1
1.5	+0.2	> 0.40	+0.1
2	+0.2	> 0.40	+0.1
2.5	+0.2	> 0.50	+0.2
3	+0.2	> 0.50	+0.2
3.5	+0.3	> 0.50	+0.2
4	+0.3	> 0.70	+0.2
5	+0.3	> 0.70	+0.2
6	+0.3	> 0.70	+0.2
7	+0.3	> 0.80	+0.2
8	+0.3	> 0.80	+0.2
9	+0.5	> 0.80	+0.2
10	+0.5	> 0.80	+0.2
12	+0.5	> 0.95	+0.3
14	+0.5	> 0.95	+0.3
16	+0.7	> 0.95	+0.3

Standard colour: red brick. Other colours available on request: black, white, green, blue, yellow and brown. Packing on reels upon request. Possibility of cut at the size requested. UL certification available upon request.

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File Number E304884

# Fiberglass sleeve

# TVS-E 4.0 kV

**Certifications:**

- File No. E350736
- IEC 60684-3-400:2002

**Expandibility:**

- 20% - 100%
- On request

**Tube structure:** braid support in fiberglass added to silicone rubber.

**Description:** the union between glass fiber and silicone rubber, through a thermal process, guarantees the TVS-E 4.0 kV sleeve good dielectric properties, heat resistance, self-extinguishing, softness and expandability.

**Characteristics:**

- electrical insulation: 4.0 kV (thermal class H)
- Operating temperature: from -60 ° C to + 200 ° C (for a few minutes it can withstand peaks of + 250°C)
- fair mechanical resistance
- high flexibility - traction – torsion
- corrosion resistance (to normal mineral oils and hydrocarbons)
- excellent thermal protection
- It is not affected by molds and fungus

**Application fields:**

- electric motors for class H 180 ° C and class C 220 ° C
- transformers
- electrical cables in general (household appliances, electronics, heating, etc.)
- lighting systems
- electrical panels



Internal diameter (mm)		Wall thickness mm	Internal diameter (mm)		Wall thickness mm
Nominal	Tolerance		Nominal	Tolerance	
0.5	0 ± 0.15	0.50 ± 0.15	10	0 ± 0.30	0.70 ± 0.15
0.8-1	0 ± 0.20	0.50 ± 0.15	12	0 ± 0.30	0.70 ± 0.15
1.5	0 ± 0.20	0.50 ± 0.15	14	0 ± 0.50	0.70 ± 0.20
2	0 ± 0.20	0.50 ± 0.15	16	0 ± 0.50	0.70 ± 0.20
2.5	0 ± 0.20	0.50 ± 0.15	18	0 ± 0.50	0.70 ± 0.20
3	0 ± 0.25	0.52 ± 0.15	20	0 ± 0.50	1.00 ± 0.20
3.5	0 ± 0.25	0.52 ± 0.15	22	0 ± 0.60	1.00 ± 0.20
4	0 ± 0.25	0.52 ± 0.15	24	0 ± 0.60	1.00 ± 0.30
5	0 ± 0.25	0.55 ± 0.15	25	0 ± 0.60	1.00 ± 0.30
6	0 ± 0.25	0.55 ± 0.15	30	0 ± 0.60	1.00 ± 0.30
7	0 ± 0.25	0.55 ± 0.15	35	0 ± 0.60	1.00 ± 0.30
8	0 ± 0.30	0.55 ± 0.15	40	0 ± 0.60	Da 1.0 a 2 ± 0.30
9	0 ± 0.30	0.70 ± 0.15	45-50	0 ± 0.60	Da 1.0 a 2 ± 0.30

Standard color: brick red

Other colors on request with MOQ

Packaging: in reels on request - Possibility of custom cutting

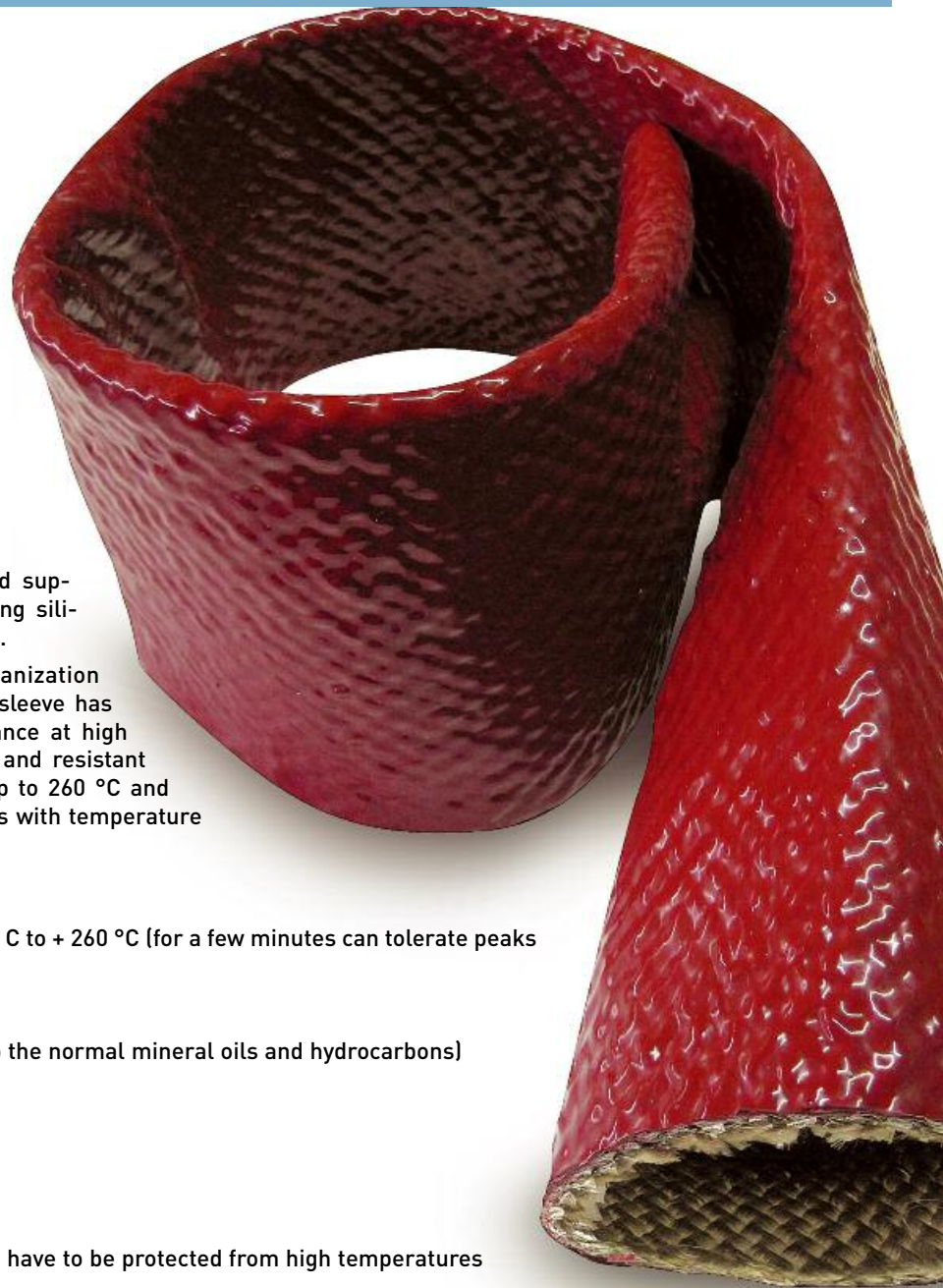
Standard packaging: (0.5-4.0 200 m) (5-20 100 m) (22-24 50 m) (25-30 25m) other measures to be agreed

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# Self extinguishing sleeve for high temperatures Cod. HTS



**Tube structure:** fiberglass braided support covered with self-extinguishing silicone rubber for high temperatures.

**Description:** thanks to the vulcanization process and heat treatment, this sleeve has good dielectric properties, resistance at high temperatures, excellent elasticity and resistant at the cold. Provides protection up to 260 °C and resistant with the impact of objects with temperature of 1100 °C for a short time.

**Characteristics:**

- electrical insulation: > 10.0 KV
- operating temperature: from -60 C to + 260 °C (for a few minutes can tolerate peaks of +1100 ° C)
- discrete mechanical strength
- high flexibility – torsion - tension
- excellent corrosion resistance (to the normal mineral oils and hydrocarbons)
- does not propagate the flame
- thermal protection

**Application fields:**

- steelworks
- foundries
- glass factories
- work environments where cables have to be protected from high temperatures

Diameter (mm)	diameter tolerance	wall thickness (mm)	wall thickness tolerance
10;12;15	+0.20--0.10	1.7	± 0.10
20	+0.30--0.10	2.0	± 0.15
25;30	+0.40--0.50	2.1	± 0.20
35;40	+0.50--0.30	2.4	± 0.20
45;50	+0.80--0.50	2.8	± 0.20
55	+1.00--1.00	3.0	± 0.30
60;65;70;75	+1.50--1.50	3.5	± 0.50
80;85;90;100;105	+2.00--2.00	4.5	± 0.80
110;115;120;127	+3.00--3.00	4.8	± 1.00

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Standard colour: brick red. Possibility of cut at the size requested.





File Number E304884

# Fiberglass sleeve

# Cod. TVP 4.0 Kv



**Tube structure:** fiberglass braided support covered with polyurethane resin.

**Description:** the union between the braided fiberglass and polyurethane resin through a polymerization process at high temperatures, ensures at the sleeve TVP 4.0 KV good dielectric properties, thermal protection and high mechanical strength.

#### Characteristics:

- electrical insulation: up to 4.0 Kv (class F)
- operating temperature: from -30 °C to +155 °C (for a few minutes can tolerate peaks of +185 °C)
- mechanical strength
- high flexibility – torsion - tension
- corrosion resistance (to the normal mineral oils , solvents, acids, benzene)
- aging resistance
- not attacked from fungus or molds

#### Application fields:

- electric motors for class F 155 °C
- transformers
- electrical cables in general (electrical, electronic, etc.)
- rotating machines
- electrical panels



#### Certifications:

- File No. E471824
- IEC 60684-3-409:1999

Internal diameter (mm)		Wall thickness (mm)	
Nominal	Tolerance	Min.	Max
0,5	0±0.15	0.35	0.65
0.8 - 1 - 1.5 - 2 - 2,5	0±0.20	0.35	0.65
3 - 3,5 - 4 - 4,5 - 5 - 6 - 7	0±0.25	0.35	0.65
8.0 - 9.0 - 10 - 12	0±0.30	0.50	0.90
14 - 16 - 18 - 20	0±0.50	0.50	1.00
22 - 24 - 25	0±0.60	0.50	1.50
30 - 35	0±0.60	0.50	1.50
40 - 45	0±0.60	1.00	2.00
50	0±0.60	1.00	2.00

Standard colour: amber. Other colours available on request: black, white, green, blue, yellow and brown. Packing on reels upon request. Possibility of cut at the size requested.

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# Fiberglass sleeve Double Sleeve

# Cod. TVPX2 8.0 Kv



**Tube structure:** fiberglass braided support covered with polyurethane resin with double sleeve.

**Description:** the union between the braided fiberglass and the polyurethane resin through a polymerization process at high temperatures, ensures at the sleeve TVPX2 8.0 KV good dielectric properties, thermal protection and high mechanical strength.

#### Characteristics:

- electrical insulation: up to 8.0 Kv (class F)
- operating temperature: from -30 °C to +155 °C (for a few minutes can tolerate peaks of +185°C)
- mechanical strength
- high flexibility - torsion - tension
- corrosion resistance (to the normal mineral oils, solvents, acids, benzene)
- aging resistance
- not attacked from fungus or molds

#### Application fields:

- electric motors for class F 155°C
- transformers
- electrical cables in general (electrical, electronic, etc.)
- rotating machines
- electrical panels

#### Certification:

IEC 60684-3-409:1999



Internal diameter (mm)		Wall thickness (mm)	
Nominal	Tolerance	Min.	Max
2.0; 2.5	0±0.20	0.70	1.30
3.0; 4.0; 5.0; 6.0; 7.0	0±0.25	0.70	1.30
8.0; 9.0; 10; 12; 14	0±0.30	1.00	1.80

Standard colour: amber. Other colours available on request: black, white, yellow, green, blue, red and brown.  
Packing on reels upon request. Possibility of cut at the size requested.

Standard packaging: (2.0-4.0 200 m) (5.0-9.0 100 m) (10-14 50 m). Other meausers upon request.

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**Tube structure:** fiberglass braided support covered with acrylic resin.

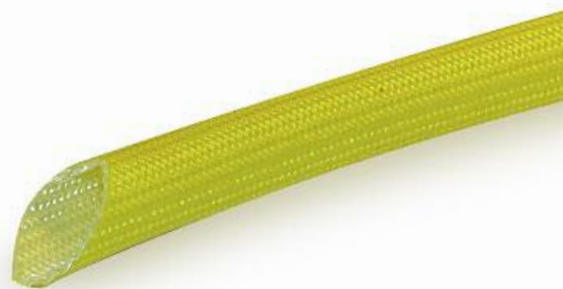
**Description:** the union between the braided fiberglass and acrylic resin through a thermal process, ensures at the sleeve TVA 3.0 KV good dielectric properties, thermal protection and mechanical resistance.

**Characteristics:**

- electrical insulation: up to 3.0 Kv (Class F)
- operating temperature: from -30 °C to +155 °C (for a few minutes can tolerate peaks of +180 °C)
- mechanical strength
- high flexibility – torsion - tension
- corrosion resistance (to the normal mineral oils , solvents,
- aging resistance
- not attacked from fungus or molds

**Application fields:**

- electric motors for class F 155 °C
- transformers
- electrical cables in general (electrical, electronic, etc.)
- rotating machines
- electrical panels



Internal diameter (mm)		Wall thickness (mm)	
Nominal	Tolerance	Min.	Max
0.5 ; 0.8	0~+0.10	0.20	0.50
1.0 ; 1.5	0~+0.20	0.20	0.60
2.0 ; 2.5	0~+0.20	0.23	0.70
3.0 ; 3.5	0~+0.20	0.30	0.70
4.0 ; 5.0	0~+0.25	0.30	0.70
6.0	0~+0.25	0.35	0.70
7.0 ; 8.0	0~+0.25	0.37	0.90
9.0 ; 10 ; 12 ; 14	0~+0.35	0.45	1.00
16 ; 18 ; 20 ; 22 ; 24	0~+0.50	0.55	1.10

Standard colour: yellow. Other colours available on request: black, white, green, blue, red and brown.

Packing on reels upon request. Possibility of cut at the size requested.

Standard packaging: (0.5-4.0 200 m) (5.0-20 100 m) (22-24 50 m) (26-30 25 m). Other meausers upon request.

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**Tube structure:** fiberglass braided sleeve with watery varnish impregnated.

**Description:** the union between the braided fiberglass and the watery varnish through a thermal process, ensures at the sleeve TVB 0.8 KV a very high thermal protection.

**Characteristics:**

- electrical insulation: from 800 v to 1000 v max
- operating temperature: from -50 °C to +500 °C
- mechanical strength
- high flexibility - torsion - tension
- aging resistance
- not attacked from fungus or molds

**Application fields:**

- electric irons
- stoves
- heaters
- dryers
- electrical cables in general (electrical, electronic, heating, etc.)
- electrical panels



Internal diameter (mm)		Wall thickness mm	Internal diameter (mm)		Wall thickness mm
Nominal	Tolerance		Nominal	Tolerance	
0.8	0~+0.3	0.5+/-0.1	10	0~+0.5	0.7+/-0.15
1	0~+0.3	0.5+/-0.1	12	0~+0.5	0.7+/-0.15
1.5	0~+0.3	0.5+/-0.1	14	0~+0.5	0.7+/-0.15
2	0~+0.3	0.5+/-0.1	16	0~+0.8	0.7+/-0.20
2.5	0~+0.4	0.5+/-0.1	18	0~+0.8	0.7+/-0.20
3	0~+0.4	0.5+/-0.1	20	0~+0.8	0.7+/-0.20
3.5	0~+0.4	0.5+/-0.1	22	0~+0.8	0.7+/-0.20
4	0~+0.4	0.5+/-0.1	24	0~+1.0	1.0+/-0.30
5	0~+0.4	0.5+/-0.1	26	0~+1.0	1.0+/-0.30
6	0~+0.4	0.5+/-0.1	28	0~+1.0	1.0+/-0.30
7	0~+0.5	0.5+/-0.1	30	0~+1.0	1.0+/-0.30
8	0~+0.5	0.7+/-0.15	32	0~+1.0	1.0+/-0.30
9	0~+0.5	0.7+/-0.15	35	0~+1.0	1.0+/-0.30

Standard colour: white, black. Other colours available on request: yellow, green, blue, red and brown. Packing on reels upon request. Possibility of cut at the size requested.

# Extruded PVC insulating sleeve Cod. PVC 70°C - PVC 105°C



**Tube structure:** Extruded PVC insulating sleeve.

**Description:** flexible protective sleeve, used for the protection of components used in the electronics, electrical engineering, electro-mechanical, automotive wiring in general fields.

**Characteristics:**

- operating temperature:  
PVC 70°C from -25°C to +80°C  
PVC 105°C from -30°C to +110°C
- 105°C version self extinguishing
- RoHS compliant
- UL certified version on request

**Application fields:**

- electrical cables
- electrical panels
- lighting

Standard colour: black. Other colours available on request: yellow, green, blue, red and white. Packing on reels upon request. Possibility of cut at the size requested.

Diameter (mm)	grams/meter
1	3,5
1,5	4,5
2	5,5
2,5	6,5
3	8
3,5	8,5
4	10
5	12
6	14
7	16
8	18
10	23
12	27
14	32
16	36
18	40
20	45
22	49
24	53
26x28	120
28x30	130
30x32	140

The standard wall thickness is 0,5 mm. Biggest sizes upon request.

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For clear products, UL & CSA recognitions are not available (including flame retardant)



**Tube structure:** heat shrinkable polyolefin irradiated sleeve.

**Description:** heat shrinkable with small thickness, flexible, widely used for the protection of components in the electronics, electrical engineering, electromechanical, automotive and wiring fields.

**Characteristics:**

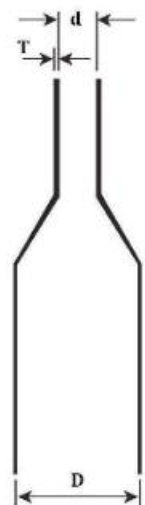
- shrink ratio 2:1
- operating temperature: from -55 °C to +125 °C
- minimum temperature of shrinkage +70°C
- self-extinguishing UL
- RoHS compliant

**Application fields:**

- electrical cables
- switchboards
- lighting
- identification of cables thanks to the wide range of colors available



Type	Internal diameter (mm)	Diameter after the retreat		Packaging standard (mt)
		ø internal/mm	wall tickness/mm	
GTR D 1.2	1,2	0,60	0,33	150
GTR D 1.6	1,6	0,80	0,36	150
GTR D 2.4	2,4	1,20	0,44	150
GTR D 3.2	3,2	1,60	0,44	150
GTR D 4.8	4,8	2,40	0,51	75
GTR D 6.4	6,4	3,20	0,56	75
GTR D 9.5	9,5	4,80	0,56	75
GTR D 12.7	12,7	6,40	0,65	50
GTR D 16	16	8,00	0,69	50
GTR D 19	19	9,50	0,80	30
GTR D 25.4	25,4	12,70	0,90	30
GTR D 32	32	15,90	1,02	30
GTR D 38.1	38,1	19,10	1,02	30
GTR D 50.8	50,8	25,40	1,14	30
GTR D 76.2	76,2	38,10	1,27	15
GTR D 101.6	101,6	50,80	1,40	15



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**Size**

**Expanded** from Ø 1,2 to Ø 9,5  
**Flat** from Ø12,7 to Ø101,6

Standard color: black + other available colors - (Transparent non self-extinguishing, 105 ° C)



Standard colour: black. Other colours available on request: yellow, green, blue, red and white. Packing on reels upon request, neutral or customized miniboxes and possibility of cut at the size requested or 1.22 mt bars with MOQ.



For clear products, UL & CSA recognitions are not available (including flame retardant)



**Tube structure:** heat shrinkable will small thickness, flexible, widely used for the protection of components in the electronics, electrical engineering, electromechanical, automotive and wiring fields.

**Characteristics:**

Heat shrinkable Self extinguishing 3: 1 Black and colored

- Shrink ratio: 3:1
- Operating temperature: from -55 ° C to + 125 ° C (-55 ° C to + 135 ° C on request)
- Certifications: UL224 125 ° C VW-1 600V - Compliant with the RoHS directive

Heat shrinkable Self extinguishing 3: 1 Black and colored

- Temperature of use: from -55 ° C to + 135 ° C
- Certifications: UL224 125 ° C VW-1 600V - Compliant with the RoHS directive
- Complies with: SAE-AMS-DTL-23053/5 class 1 and 3
- Possibility of supplying Miniboxes with different and customized packages

**Application fields:**

- electrical cables
- switchboards
- lighting
- identification of cables thanks to the wide range of colors available



Dimensions	Inner diameter (D) (mm)	Diameter after shrinkage	
		Internal ø/mm (d)	Thickness /mm (T)
1,5/0,5	1,5	0,5	0,45
3,0/1,0	3	1,0	0,55
4,5/1,5	4,8	1,5	0,60
6,0/2,0	6,4	2,0	0,65
9,0/3,0	9,5	3,0	0,75
12,0/4,0	12,7	4,0	0,80
18,0/6,0	19,1	6,0	0,90
24,0/8,0	25,4	8,0	1,00
39,0/13,0	39	13,0	1,25

Table with ratio 3:1



**Size**

**Expanded** from Ø 1,2 to Ø 9,5  
**Flat** from Ø12,7 to Ø101,6

Standard color: black + other available colors - (Transparent non self-extinguishing, 105 ° C)



Standard colour: black. Other colours available on request: yellow, green, blue, red and white. Packing on reels upon request, neutral or customized miniboxes and possibility of cut at the size requested or 1.22 mt bars with MOQ.

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# Dual wall polyolefin heat shrink tubing with adhesive

# GTR-GD..



**Tube structure:** Polyolefin heat shrink tubing with adhesive

**Description:** Dual wall heat shrinkable tubing with adhesive, flame retardant, flexible, widely used for electrical insulation and for the protection of components used in the electronics, electrotechnical, electromechanical, automotive, household appliance and wiring industries in general.

**Characteristics:**

- Shrink ratio: 3:1 – 4:1
- Operating temperature: -55°C +125°C
- Certifications: UL225 125°C VW-1 600V - RoHS compliant
- Compliant with SAE-AMS-DTL-23053/4
- UV resistant - Excellent electrical, mechanical and waterproof characteristics.
- Transparent color is not flame retardant
- Custom cutting.



The data contained in this datasheet are based on tests that we believe valid, but there is not guarantee, expressed or implied. They can change at any time, in response to new knowledge or requirements, without prior notice from the manufacturer.

Standard color: black - Other colors available on request with MOQ: red, blue, yellow, white. For clear products, UL & CSA recognitions are not available (including flame retardant).

Dimensions	Internal diameter (mm)	Diameter after the retreat (mm)	Wall tickness mm W1*	Adhesive tickness Mm W2*
1/8	3,0	1,0	0.85±0.28	0,45
3/16	4,8	1,5	1.05±0.25	0,45
1.4	6,0	2,0	1.10±0.25	0,45
3/8	9,0	3,0	1.45±0.25	0,45
1/2	12,0	4,0	1.50±0.35	0,45
3/4	19,0	6,0	2.00±0.45	0,65
1	24,0	8,0	2.00±0.55	0,65
1 1/2	40,0	13,0	2.50±0.55	1,00
Dimensions	Internal diameter (mm)	Diameter after the retreat (mm)	Wall tickness mm W1*	Adhesive tickness Mm W2*
3/16	4,0	1,0	1.00±0.28	0,50
5/16	8,0	2,0	1.10±0.28	0,50
1.2	12,0	3,0	1.40±0.28	0,61
5/8	16,0	4,0	1.78±0.38	0,76
1	24,0	6,0	2.25±0.55	0,76
1 1/4	32,0	8,0	2.54±0.55	1,02
1 1/2	38,1	9,5	2.54±0.55	1,02
2	52,0	13,0	2.60±0.55	1,02

\*W1: thickness after shrinking

\*W2: thickness of the adhesive after shrinking



# Polyolefin heat shrink tubing with medium wall thickness with and without adhesive

# GTR-GM..



**Tube structure:** Polyolefin heat shrink tubing with medium wall thickness with and without adhesive.

**Description:** Medium wall thickness heat shrink tubing widely used for electrical insulation and protection in low voltage networks, cable termination, connectors, etc.

**Characteristics:**

- Operating temperature: -55°C +125°C
- RoHS compliant
- UV resistant
- Excellent electrical and mechanical characteristics
- Good protection against environmental factors
- Available in bars of 1 mt, 1.22 mt.
- Standard color: black
- On request: without adhesive with MOQ.
- Custom cutting

Dimensions	Internal diameter (mm)	Diameter after the retreat (mm)	Wall thickness (mm)	Format
8/2	8,0	2,0	1,6	0
12/3	12,0	3,0	2,0	0
16/5	16,0	5,0	2,2	0
22/6	22,0	6,0	2,4	0
33/8	33,0	8,0	2,5	0
40/12	40,0	12,0	2,5	0
55/16	55,0	16,0	2,7	0
65/19	65,0	19,0	2,9	0
75/22	75,0	22,0	3,0	0
85/25	85,0	25,0	3,0	0
95/25	95,0	25,0	3,0	0
115/34	115,0	34,0	3,2	0
140/42	140,0	42,0	3,3	0
160/50	160,0	50,0	3,3	0
180/58	180,0	58,0	3,3	0
205/65	205,0	65,0	3,3	0
235/65	235,0	65,0	3,7	0
265/75	265,0	75,0	3,8	0
300/75	300,0	75,0	3,8	0
350/100	350,0	100,0	4,2	0
380/150	380,0	150,0	4,2	0
410/150	410,0	150,0	4,2	0
450/160	450,0	160,0	4,2	0

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### Special products:

- Medium wall non-marking
- Medium Wall Halogen Free Busbar Insulation Tubing.
- semiconductive for shielding medium voltage connectors.
- Insulating tape for medium voltage busbars.



- Cable end caps
- Insulation and sealing over the crutch of multi-core cables.
- non-marking sealing of medium voltage cables
- insulation and Sealing for wire connector.



### Special heat shrink tubing

- Kynar® 2:1 from -55°C to +150C — from -55°C to +175°C
- Viton® 2:1 from -55°C to +200°C 600V
- Diesel-resistant elastomeric tubing 2:1 from -65 °C to +150 °
- CTeflon® 1,5:1- 2:1-4:1 from -65 °C to +260 °C
- Fiber optic joint protection from -45 ° C to + 100 ° C

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### Packaging

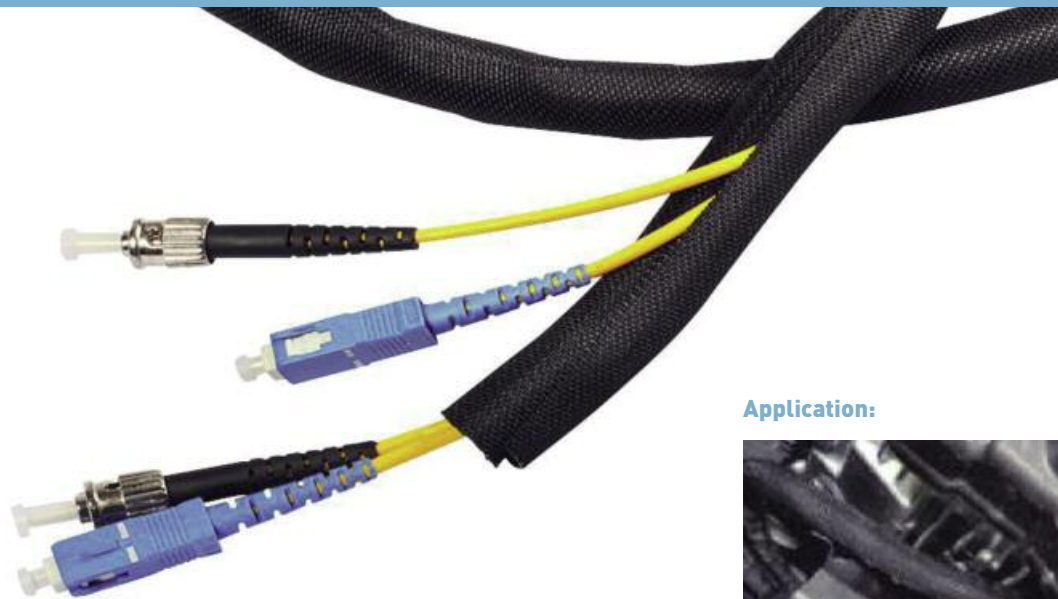
G8 Motori can offer **customized solutions** for the packaging of:

- Heat shrink tubing in reels, bars, pieces, mini boxes, etc.
- Braided sleeves in reels, boxes, pieces, mini boxes and medium boxes with dispensers
- Silicone glass tubing in reels, pieces, mini boxes, etc.



\* Kynar® è un marchio registrato di ATOFINA  
 \* Viton® è un marchio registrato della du Pont de Nemours and Co. Inc. per la materia prima  
 \* Teflon® è un marchio registrato della du Pont de Nemours e Co. Inc. per la materia prima

# SELF-closing wrap



## Application:



### Technical data:

- Material: Polyester monofilament and multifilament
- Operating range: -40°C - +150°C
- Melt point: 240 ±10°C
- Flammability: FMVSS302, UL94, EN45545 HL3
- Colore: Black
- Certificate: RoHS, Halogen Free
- Cutting tool: Hot knife

### Product introduction:

Self-closing wrap is a non-expandable sleeving woven from monofilament (weft) and multifilament (warp) polyester yams. It is lightweight, cost-effective and highly abrasion resistance, the split open design allows easy install on the cable harness which has been assembled.

Most commonly be us en on wire harnesses, cable assemblies, flat ribbon cables, tubes and hoses, to provide a tough, durable protection to automotive, telecom, automatic equipment, railways and panel boards.

Part No.	Max. bundle dia.		Overlap		Packing	
	Automotive	Electronics	Automotive	Electronics	Automotive	Electronics
SCS-005	6.0	3-5	25%	50%	-	250
SCS-008	9.0	6-8	25%	50%	-	200
SCS-010	11.0	9-10	25%	50%	-	100
SCS-013	14.0	11-13	25%	50%	-	50
SCS-016	17.0	14-16	25%	50%	-	50
SCS-019	20.0	17-19	25%	50%	-	25
SCS-025	26.0	23-25	25%	50%	-	25
SCS-029	30.0	27-29	25%	50%	-	25
SCS-032	33.0	30-32	25%	50%	-	25
SCS-038	40.0	36-38	25%	50%	-	25
SCS-050	-	48-50	-	50%	-	25

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**Tube structure:** Self-extinguishing, halogen-free, expandable braided sleeving in 0.22 mm polyester monofilament

**Description:** Thanks to the particular braiding and the degree of expansion, it is possible to cover a wide range of diameters.

**Characteristics:**

- Flame retardant and halogen-free polyester
- Operating temperature: from - 50°C to +150°C with peaks of 200 ° C
- melting temperature: 250°C
- resistance to abrasion, humidity, solvents and usual chemical atmospheres
- UV and aging resistant
- approvals IEC 60684-1 60684-3 (from page 340 to page 342)
- self-extinguishing FMVSS 302
- colors: black/grey standard, other colors or different diameters are available on request with MOQ.
- on request available self-extinguishing UL94 V0

**Application fields:**

- Irons (cable bundle protection)
- Electronic and telephone application
- Electrical wiring in general (household appliances, electronics, etc.)
- Automotive
- Electrical panels



- RoHS Compliance  
- Reach Compliance

**Adaptability and extension of the diameters**

Packing in reels on request.

Packing in minibox and medibox with dispenser.

Possibility to cut at the size requested (hot cutting to prevent fraying).

Dimensions ø nominal (mm)	Expansion range	
	Minimum (mm)	Maximum (mm)
3	1	6
6	3	9
8	5	12
10	7	17
12	8	20
15	10	27
20	14	30
25	18	33
30	20	50
40	30	60
50	40	80

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**Tube structure:** Braided polyester monofilament 0,25mm self-extinguishing, alogen free.

**Description:** Thanks to the particular braiding and the degree of expansion, it is possible to cover a wide range of diameters.

**Characteristics:**

- flame retardant and halogen-free polyester
- operating temperature: from -40°C to +150°C
- melting temperature: +255°C ±5°C
- flammability UL94 V0
- UV and aging resistant
- resistance to abrasion, humidity, solvents and usual chemical atmospheres
- approvals IEC 60684-1 60684-3 (from page 340 to page 342)
- Colors: black and grey

**Appliance:**

- Automotive and railway industries
- electronic and telephone applications
- electrical panels

- RoHS Compliance  
- Reach Compliance



**Adaptability and extension of the diameters**

Dimensions ø nominal (mm)	Expansion range	
	Minimum (mm)	Maximum (mm)
3	1	6
6	3	9
8	5	12
10	7	17
12	8	20
15	10	27
20	14	30
25	18	33
30	20	50
40	30	60
50	40	80

Possibility to cut at the size requested (hot cutting to prevent fraying)

Packing in reels on request

Special diameters and colors no standard are available on request with MOQ.

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**Tube structure:** Braided polyester filament

**Description:** Thanks to the particular braiding and the degree of expansion, it is possible to cover a wide range of diameters.

**Characteristics:**

- Flame retardant and halogen-free polyester
- Operating temperature: from - 50°C to +150°C
- melting temperature: 240°C ± 10°C
- flammability UL/VW-1
- UV and aging resistant
- resistance to abrasion, humidity, solvents and usual chemical atmospheres
- colors: black/grey standard, other colors or different diameters are available on request with MOQ.
- on request available self-extinguishing UL94 V0

**Certifications:**

- UL file E316646 JDD-FR 125°C

**Appliance:**

- Automotive and railway industries
- electronic and telephone applications
- electrical panels



**Adaptability and extension of the diameters**

Dimensions	Nominal diameter (mm)	Expansion range	
		Minimum (mm)	Maximum (mm)
1/8"	3	1	6
1/4"	6	3	9
5/16"	8	5	16
3/8"	10	7	19
1/2"	12	8	24
5/8"	16*	10	27
3/4"	19*	14	30
1"	25	18	35
1-1/4"	32*	20	50
1-1/2"	38*	30	60
1-3/4"	45	35	75
2"	51*	40	80
2-1/2"	64	45	105
3"	76	64	120

Possibility to cut at the size requested (hot cutting to prevent fraying)

Packing in reels on request

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# Standard cables ties in polyamide 6.6 natural

- Material: Polyamide 6.6 natural
  - UV Black: Polyamide + carbon black
  - Color: Polyamide 6.6 natural + colorant
  - Flammability of raw material: UL 94 - V2
  - Humidity absorption: 2,7% - 2,8% (23°C -50%RH)
  - Working (Operation) Temperature: -40°C - + 85°C (-40°F - + 185°F)
  - Min Installation Temperature: -10°C (14°F)
  - Max sustainable temperature for short time: + 110°C (230°F)
- Good resistance to bases, oils, greases, oil derivatives, chloride solvents.  
Limited resistance to acids. Not resistance to phenols.

#### Certifications:

UL (Underwriters Laboratories): File E258930 based newest standard UL62275  
TUV, DNV-GL Approval: EN (IEC) 62275:2015  
REACH, ROHS, PAHS Compliance



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**Standard color:** black and white. Other colors available on request.



**LISTED**  
POSITIONING DEVICE  
385AS  
E258930  
TYPE 21



**RoHS PAHs Reach**

Size (mm)	Max bundle ø (mm)	Package / Pieces
2.5x80	14.00	100/1000
2.5x100	20.50	100/1000
2.5x120	27.00	100/1000
2.5x130	30.00	100/1000
2.5x150	36.50	100/1000
2.5x160	39.80	100/1000
2.5x200	52.50	100/1000
2.5x260	73.00	100/1000
2.5x380	110.00	100/1000

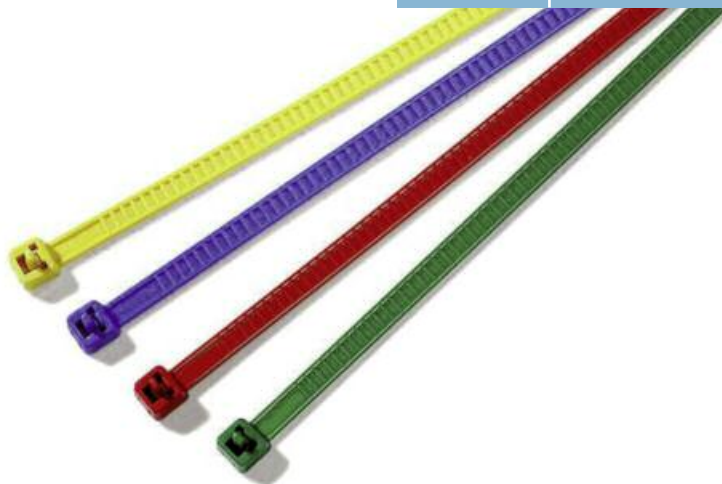
3.6x140	33.00	100/1000
3.6x150	36.00	100/1000
3.6x180	46.00	100/1000
3.6x200	52.50	100/1000
3.6x250	68.00	100/1000
3.6x280	78.00	100/1000
3.6x300	84.00	100/1000
3.6x370	106.00	100/1000

4.6x120	23.80	100/1000
4.6x160	36.60	100/1000
4.6x180	43.00	100/1000
4.6x190	46.00	100/1000
4.8x200	49.50	100/1000
4.8x250	65.00	100/1000
4.8x280	74.80	100/1000
4.8x300	81.00	100/1000
4.8x350	97.00	100
4.8x360	100.00	100
4.8x370	103.50	100
4.8x380	106.70	100
4.8x390	110.00	100
4.8x400	113.00	100
4.8x430	122.50	100
4.8x450	129.00	100
4.8x500	145.00	100
4.8x550	160.00	100
4.8x610	179.90	100
4.8x740	220.00	100
4.8x920	278.00	100

Size (mm)	Max bundle ø (mm)	Package / Pieces
7.6x150	35.00	100
7.6x200	50.90	100
7.6x220	56.00	100
7.6x250	66.80	100
7.6x280	76.40	100
7.6x300	82.80	100
7.6x350	96.50	100
7.6x365	103.50	100
7.6x380	108.00	100
7.6x400	114.50	100
7.6x450	130.50	100
7.6x500	146.00	100
7.6x550	162.50	100
7.6x610	181.50	100
7.6x750	226.00	100

8.8x300	83.00	100
8.8x400	115.00	100
8.8x450	130.50	100
8.8x500	146.50	100
8.8x550	163.50	100
8.8x610	181.50	100
8.8x710	195.00	100
8.8x750	205.00	100
8.8x760	229.50	100
8.8x780	235.50	100
8.8x810	245.00	100
8.8x920	280.00	100
8.8x1020	295.00	100
8.8x1168	340.00	100
8.8x1220	375.50	100
8.8x1530	450.00	100

12.4x230	57.00	100
12.4x290	76.00	100
12.4x380	103.50	100
12.4x480	136.00	100
12.4x530	156.00	100
12.4x580	168.00	100
12.4x650	195.00	100
12.4x730	216.00	100
12.4x880	263.00	100
12.4x1000	315.00	100



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# Plastic cable glands



## Features:

- Material: PA 6,6
- Thread: Metric/PG
- Operating temperature: from -40°C to +100°C
- Degree of protection: IP 68
- Certifications: UL2238 CAN/CSA C22.2 No. 182.3 SAA191572
- Colors: light grey (RAL 7035) and black (RAL9005)

Thread	Cable Range (mm)	Thread Length (mm)
M8x1,25	2,5-4,5	7,5
M10x1,5	3,0-6,0	8
M12x1,5	4,0-6,5	9
M16x1,5	4,5-8,5	9
M18x1,5	5,0-10,0	9
M20x1,5	6,0-11,0	10
M22x1,5	8,0-13,0	10
M25x1,5	13,0-18,0	12
M28x1,5	13,0-18,0	12
M32x1,5	16,0-21,0	12
M36x1,5	18,0-25,0	12
M40x1,5	20,0-27,0	15
M46x1,5	23,0-32,0	15
M50x1,5	30,0-38,0	18
M63x1,5	37,0-44,0	18
M75x2	56,0-66,0	25
M90x2	66,00-77,0	25

PG7	4,0-6,5	9
PG9	4,5-8,5	9
PG11	5,0 - 10,0	9
PG13,5	6,0-11,0	10
PG16	8,0-13,0	10
PG21	13,0 - 18,0	12
PG29	18,0 - 25,0	12
PG36	23,0-32,0	15
PG42	30,0-38,0	18
PG48	37,0 - 44,0	18

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# EPR High voltage insulation tape



## Applications

For bundling and wrapping of cable sets wire harnesses. Due to the controlled unwind force, a good process is ensured. The final winding has to be applied on itself and fixed by short thumb-pressure.

## Storage

At about 5°C and dry in original packing.

## Technical Information

- Construction
- Carrier: PET cloth
- Adhesive: Synthetic rubber
- Colours: Black, white, orange

## Characteristics

- Rotting resistant
- Smooth
- Resistant to low and high temperatures
- Solvent-free
- PVC-compatible
- Resistant to aging
- Easy to tear
- Strong adhesion

Examination	Standard	Unit	Typical value
ThicknessDIN EN 1942	mm	0.17	
Elongation at break	DIN EN ISO 29864	%	30
Tensile strength	DIN EN ISO 29864	N/cm	60
Adhesion to steel	DIN EN ISO 29862	N/cm	4.3
Adhesion to backing	DIN EN ISO 29862	N/cm	3.0
Sound damping	CTM 312	Classe	A
Abrasion resistance	CTM 312	Classe	B
Flammability	CTM 312	Classe	A/B
Temperature range	CTM 312	°C	-40 – +125

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# Insulating self extinguishing PVC tape CEI 15-15



## Features and applications:

PVC films and adhesives used for making insulating tapes proposed are chosen according to the different market needs. The proposed tapes are suitable for electrical use, for quality wiring as they are made with tough adhesive, flame retardant resistant to low temperatures.

- Self-extinguishing CEI 15-15
- Excellent adhesion capacity
- Complete color range

Thickness (mm)	Length (mt)	Height (mm)	Color
0,15	10	15	black
			yellow
			blue
			green
			red
			grey
			white
			brown
0,15	25	15	yellow/green
			black
0,15	25	19	black
			blue
			grey
			white
			yellow/green
0,15	25	25	black
			green
			grey
			white
0,15	25	38	black
0,15	25	50	black

# Adhesive tape, Self-Welding



## Specifications:

- Made of synthetic rubber (EPR)
- Immediately Repairs holes, gaps and cracks of pipes and sleeves
- Suitable for power cables, restoring the outer insulation
- Excellent resistance to water, UV rays, ozone and chemical agents
- Resistance at temperatures of  $-40^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$  (and for short periods up to  $120^{\circ}\text{C}$ )

- Width 19 mm
- Length 10 m
- Thickness 0.75 mm
- Dielectric strength 44 kV/mm
- Min. temperature resistance  $-40^{\circ}\text{C}$
- Max. temperature resistance  $100^{\circ}\text{C}$
- Breaking elongation 550 %



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# Silicone repair tape

Highly resistant, self-fusing silicone tape for immediate repairs and sealing tasks.



## Specification:

- Resistant to a range of media.
- Waterproof and airtight in seconds.
- Very versatile.
- Very simple and quick to apply.
- Ideal for breakdown services and emergency services.
- Also works on damp or oily surfaces and under water.
- Can be removed residue-free.
- Permanently elastic.
- Backing material Silicone
- Colour Red
- Width 25 mm
- Min./max. processing temperature 15 to 40 °C
- Elongation at break 300 %
- Min./max. temperature resistance -50 to 260 °C
- Ultraviolet resistance Yes
- Length 3 m
- Total thickness 1.5 mm
- Dielectric strength 400 V/mm
- Shelf life from production/conditions 60 Month / cool and dry storage area
- Product weight (per item) 87 g

## Application area:

- For repairing and sealing pipelines and hoses up to 8 bar (Ø 1")
- For sealing/repairing heating pipes, cooling lines, fittings, water pipes etc.
- For sealing/repairing radiator hoses, oil lines, garden hoses, pneumatic components etc.
- For sealing/repairing lines in construction machinery etc.
- For sheathing tool handles
- Further applications on boats, in camping etc.



# General conditions of sale

**ORDERS AND CONFIRMATIONS** - All orders must be placed in writing by fax, mail or e-mail. The actual order's date is the one on which the order is received and not the one shown on the order itself. Upon receipt of an order, an order's confirmation, which includes all terms and details of our quoted prices, will be issued and sent to our customers for verification and acceptance purposes. Orders' confirmations are to be filled out in writing by signing one's name in the "firma per accettazione" box and are then to be sent back to G8 Motori by fax. Orders are then considered confirmed for all practical purposes and are passed on to our production line. If no further communication is received by us within 48 hours from the time we receive an order's confirmation, it will be understood that the confirmation was tacitly accepted in its entirety.

**SHIPMENTS AND DELIVERY DATES** - Deliveries are made approximately three (3) weeks after an order's confirmation and acceptance. We will consider and try to meet any special requirements our customers may have depending on production needs. Customers will not be entitled to compensation for damages nor to cancellation of any existing orders in case of delays due to circumstances beyond our control. Goods' deliveries are always to be paid for by the consignee but may be delivered, on request, at the consignor's expense (in which case the consignee will be billed for them later).

**PRICES** - All quoted prices are in Euros. Prices can be changed at any time without notice should any costs increase. Prices do not include VAT, bank charges and any other tax increases.

**PAYMENTS** - Payments are to be made through bank receipts within sixty (60) days from the invoice date, unless special arrangements have been made with G8 Motori. Should payments be irregular or late, G8 Motori reserves the right to enforce European directive 2000/35/CE in the matter of payments and will stop all supplies until the overdue credit is collected. Payments made by check or by bill are regarded as subject to collection.

**WARRANTY** - All products in our catalog come with a 2-year basic warranty beginning from their manufacture date (which is shown on each product bearing the "G8 Motori" trademark, or any other trademark). A 5-year warranty, beginning from their manufacture date, applies only to motor reducers featuring electronic limit switches bearing the "G8 Motori" label. Motor reducers featuring manual limit switches, all of their electronic components and their accessories, which are already covered by the 2-year warranty, are not covered by the 5-year warranty.

**WARRANTY APPLICATION** - Warranty covers construction defects and is limited to repairs or replacements of faulty parts, without any other compensation whatsoever or warranty extensions. G8 Motori will not accept any returns unless they have previously been authorized through our RMA (return merchandise authorization) process, which can be requested from our sales department. Replaced parts under warranty remain the property of G8 Motori. All shipping charges, even for goods under warranty that have been repaired, are to be paid for by consignees both when goods are received and when they are shipped back to them. Warranty only applies to G8 Motori products and not to any projects or systems where they are being used. G8 Motori is under no obligation to carry out repairs anywhere our products are being used, but exclusively at our factory.

**WARRANTY LIMITS** - Our warranty does not cover defects resulting from: normal wear and tear, shipments, incorrect installation or failure to observe circuit diagrams and assembly directions, any usage not conforming to specifications (meaning any usage other than the one for which a product was designed), and, in general, storage, usage or environmental conditions (atmospheric, chemical, electrical conditions, etc.) which are unsuitable or not provided for when the order was originally placed. Should our products be tampered with, or should they be used in ways or with any electrical or mechanical accessories which were not approved by our engineering department, our warranty will immediately become void. G8 Motori assumes no responsibility for direct or indirect damages caused to any persons or things resulting from any incorrect mechanical or electrical installation (by "incorrect installation" is meant any installation not conforming to the instructions found in the owner's handbook). Any expenses resulting from disassembly of products under warranty shall in no case be considered.

**USAGE AND INSTALLATION OF OUR PRODUCTS** - All necessary precautions must be taken to ensure the proper installation and operation of our motors and products. Workloads for which motors were designed and built, protection class (IP 44) shown on product's label, and all assembly and installation warnings and limitations listed in the product's instructions must be observed. G8 Motori's motors and automated equipment were designed and manufactured to be used with solar protection products (such as shutters, awnings, screens, etc.) which are not subject to intensive usage. Such products are always to be installed according to CEI electrical regulations and to other current specific regulations. Third parties buying G8 Motori products shall accept all warranty terms provided for by G8 Motori. Any third-party liabilities on G8 Motori's part shall in no case exceed those towards the original owner(s).

**REPAIRS** - Repairs are made within four (4) weeks from the time we receive goods in our warehouse. If customers wish to get an estimate of repair charges, they need to say so when requesting a "richiesta di autorizzazione al reso" (RMA, or "return merchandise authorization"). G8 Motori will not accept any complaints or claims about repair charges that are made after the repairs have already been made. G8 Motori will evaluate each case according to the age and the extent of faultiness of products and according to whether or not repairs are expedient. Should products be deemed irreparable, they will be returned to customers (even when products do not appear to be faulty and are thus checked and tested or deemed irreparable). All packing and shipping expenses will be charged to customers, both when receiving goods and when shipping them back to customers.

**PACKING** - Consignees must inspect goods' conditions upon delivery and must file any complaints with the carrier by filling out the enclosed documents. Goods are always shipped at the consignees' own risk even when shipping charges are paid for by the consignees.

**INSPECTIONS AND CLAIMS** - Consignees must inspect goods upon receiving them. Inspections should be thorough and should include the condition, weight, quantity and kind of product supplied. No claim shall be allowed or considered ten (10) days after goods have been delivered. Any dispute will fall solely within the jurisdiction of the Vicenza (Italy) court.



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**Insulated sleeves division**