



Part Number PET

Header PET Braided Expandable Sleeving

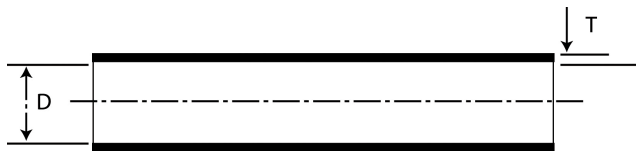
Description PET is an expandable braided polyester sleeving that is self-extinguishing and expands up to two times its resting diameter.

Agency Approval & Compliance UL, CUL, ROHS, Halogen Free, Flame Retardant, REACH

Application PET material is used as protection from mechanical abrasion on cables, wires, wire harnesses, flat ribbon and cable assemblies.

UL Rated Temperature PET has a temperature rating of -40 degrees C (-40 degrees F) and 150 degrees C (302 degrees F). Melting temperature of 240°C (464 degrees F).

Standard Sizes and Dimension



P/N	(D) Size (∅) (in)	(D) Size (∅)(mm)	Application Range
125016	0.118	2	2-4
125032	0.197	3	3-6
125040	3/16"	4	4-8
325024	1/4"	5	5-10
125048	0.276	6	6-12
320032	0.315	6	3-12
125056	3/8"	7	7-14
325032	1/2"	8	8-16
325040	5/8"	10	10-20
325048	3/4"	12	12-24
320056	0.866	13	13-26
320064	1"	15	15-30
325056	1.024	17	17-32
325064	1.102	20	20-35
325072	1.181	23	23-40
325096	1.575	30	30-60
3250120	1.969	40	40-80

4250120

2.756

50

50-100

Availability Four-foot lengths, master reels and cut pieces

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Part Number CB-TT L/T/S

Header CB-TT L/T/S Teflon Non Shrink Tubing, 150V/300V/600V

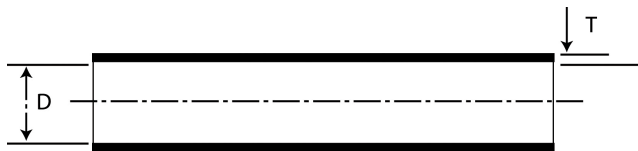
Description CB-TT series PTFE tubing has high temperature (260°C) resistance, corrosion resistance, excellent insulation and mechanical strength properties. This tubing is being used widely in industries such as electrical, computer, chemical, aerospace, military and transmission system etc, where high temperature requirements are needed. This product has gained UL recognition (File No: E180908) and is also F mark.

Agency Approval & Compliance UL, CUL, ROHS, Halogen Free, Flame Retardant, FMark, UL224, REACH, VW1

Application CB-TT L/T/S tubing is being used widely in industries such as electrical, computer, chemical, aerospace, military and transmission system etc, where high temperature requirements are needed.

UL Rated Temperature CB-TT/L/S has a UL temperature rating of -80 degrees C (-112 degrees F) and 200 degrees C (392 degrees F). CB-TT/L is rated @ 150V; CB-TT/T @ 300V; CB-TT/S @ 600V.

Standard Sizes and Dimension



1.CB-TT-L(Thin Wall) Rated @ 150V

SIZE	Supplied inside diameter (D) (mm)	Wall-Thickness (mm)
AWG 30	0.30	0.15 ± 0.04
AWG28	0.38	0.15 ± 0.04
AWG26	0.46	0.15 ± 0.04
AWG24	0.56	0.15 ± 0.04
AWG23	0.66	0.15 ± 0.04
AWG22	0.71	0.15 ± 0.04
AWG21	0.81	0.15 ± 0.04
AWG20	0.86	0.15 ± 0.04
AWG19	0.96	0.15 ± 0.04
AWG18	1.07	0.15 ± 0.04
AWG17	1.19	0.15 ± 0.04
AWG16	1.34	0.15 ± 0.04
AWG15	1.50	0.15 ± 0.04
AWG14	1.68	0.15 ± 0.04
AWG13	1.93	0.20 ± 0.05

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AWG12	2.16	0.20 ± 0.05
AWG11	2.41	0.20 ± 0.05
AWG10	2.69	0.20 ± 0.05
AWG9	3.00	0.20 ± 0.05
AWG8	3.38	0.20 ± 0.05
AWG7	3.76	0.20 ± 0.05
AWG6	4.22	0.25 ± 0.06
AWG5	4.72	0.25 ± 0.06
AWG4	5.28	0.25 ± 0.06
AWG3	5.94	0.25 ± 0.06
AWG2	6.68	0.25 ± 0.06
AWG1	7.46	0.25 ± 0.06
AWG0	8.38	0.25 ± 0.06

Standard color: clear (natural)

2.CB-TT-T (Medium Wall) Rated @ 300V

SIZE	Supplied inside diameter (D) (mm)	Wall-Thickness (mm)
AWG 30	0.30	0.23 ± 0.05
AWG28	0.38	0.23 ± 0.05
AWG26	0.46	0.23 ± 0.05
AWG24	0.56	0.25 ± 0.06
AWG23	0.66	0.25 ± 0.06
AWG22	0.71	0.25 ± 0.06
AWG21	0.81	0.25 ± 0.06
AWG20	0.86	0.25 ± 0.06
AWG19	0.96	0.30 ± 0.06
AWG18	1.07	0.30 ± 0.06
AWG17	1.19	0.30 ± 0.06
AWG16	1.34	0.30 ± 0.06
AWG15	1.50	0.30 ± 0.06
AWG14	1.68	0.30 ± 0.06
AWG13	1.93	0.30 ± 0.06
AWG12	2.16	0.30 ± 0.06
AWG11	2.41	0.30 ± 0.06

AWG10	2.69	0.30 ± 0.06
AWG9	3.00	0.38 ± 0.07
AWG8	3.38	0.38 ± 0.07
AWG7	3.76	0.38 ± 0.07
AWG6	4.22	0.38 ± 0.07
AWG5	4.72	0.38 ± 0.07
AWG4	5.28	0.38 ± 0.07
AWG3	5.94	0.38 ± 0.07
AWG2	6.68	0.38 ± 0.07
AWG1	7.46	0.38 ± 0.07
AWG0	8.38	0.38 ± 0.07

Standard color: clear (natural)

3.CB-TT-5 (Heavy Wall) Rated @ 600V

SIZE	Supplied inside diameter(mm)	Wall-Thickness (mm)
AWG23	0.66	0.30 ± 0.06
AWG22	0.71	0.30 ± 0.06
AWG21	0.81	0.30 ± 0.06
AWG20	0.86	0.40 ± 0.07
AWG19	0.96	0.40 ± 0.07
AWG18	1.07	0.40 ± 0.07
AWG17	1.19	0.40 ± 0.07
AWG16	1.34	0.40 ± 0.07
AWG15	1.50	0.40 ± 0.07
AWG14	1.68	0.40 ± 0.07
AWG13	1.93	0.40 ± 0.07
AWG12	2.16	0.40 ± 0.07
AWG11	2.41	0.40 ± 0.07
AWG10	2.69	0.40 ± 0.07
AWG9	3.00	0.50 ± 0.07
AWG8	3.38	0.50 ± 0.07
AWG7	3.76	0.50 ± 0.07
AWG6	4.22	0.50 ± 0.07
AWG5	4.72	0.50 ± 0.07

EXTRUSION TUBING

SIZE	Supplied inside diameter(mm)	Wall-Thickness (mm)
AWG4	5.28	0.50 ± 0.07
AWG3	5.94	0.50 ± 0.07
AWG2	6.68	0.50 ± 0.07
AWG1	7.46	0.50 ± 0.07
AWG0	8.38	0.50 ± 0.07

Typical Properties

Item	Test Method	Unit	Specifications
Specific Gravity	ASTM D792	g/cm ³	2.16
Tensile strength	ASTM D638	M Pa	24.5
Ultimate Elongation	ASTM D638	%	350
Flexural Modulus	ASTM D790	M Pa	490
Impact Strength	ASTM D256+23°C-54°C/m		No break, 107
Hardness	ASTM D2240	Shore D	55
Coefficient Of Dynamic Friction			0.1
Melting Point		°C	327
Service Temperature 20000h with 50% Retention Of Ultimate Elongation		°C	260
Flammability	UL-224		VW-1
Dielectric Constant At 10 ³ -10 ⁶ Hz	ASTM D150		2.1
Dielectric Strength	UL-224	2500V/60s	Yes
Dissipation Factor At 106Hz	ASTM D150		0.0002
Arc Resistance	ASTMD495 (Stainless steel electrodes)	S	>300
Volume Resistivity	ASTM D257	Ω cm	>1018
Weather Resistance	"Weather-o-meter"(2000h)		No cracking
Solvent Resistance	ASTM D543		Excellent
Chemical Resistance	ASTM D543		Excellent

Availability Four-foot lengths, master reels and cut pieces

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Part Number CB-300/600PVC

Header CB-300/CB-600 PVC Non-Shrink Tubing, 300V/600V

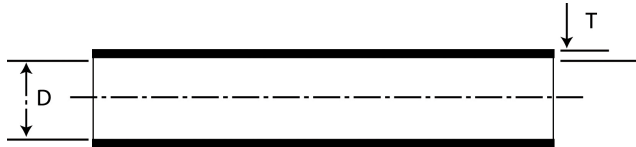
Description CB-300/CB-600 PVC tubing is flexible flame-retardant non heat-shrinkable tubing, which has excellent electrical and physical performances properties and outstanding acid fastness and corrosion resistivity. The product has UL recognition and the file No is E180908.

Agency Approval & Compliance UL, CUL, RoHS, FMark, UL224, REACH, VW1

Application CB-300/CB-600 PVC tubing is suitable for insulating electronics, automotive components, terminal lugs, small electrical parts, lead wires on toy motors and transformers etc.

Temperature Rating 105°C

Standard Sizes and Dimension



Size	Inside diameter (mm) (D)	300 PVC Wall-thickness (mm) (T)	600 PVC Wall-thickness (mm) (T)	Stock Packaging (Ft/Roll)	Stock Packaging (Mt/Roll)
5/8"	15.9	0.7±0.15	0.7±0.15	164	50
9/16"	14.3	0.7±0.15	0.7±0.15	328	100
1/2"	12.7	0.57±0.15	0.57±0.15	328	100
7/16"	11.1	0.57±0.15	0.57±0.15	656	200
3/8"	9.53	0.57±0.15	0.57±0.15	656	200
5/16"	7.92	0.57±0.15	0.57±0.15	1000	305
0#	8.38	0.45±0.15	0.57±0.15	1000	305
1#	7.47	0.45±0.15	0.57±0.15	1000	305
2#	6.68	0.45±0.15	0.57±0.15	1000	305
3#	5.94	0.45±0.15	0.57±0.15	1000	305
4#	5.28	0.45±0.15	0.57±0.15	1000	305
5#	4.72	0.45±0.15	0.57±0.15	1000	305
6#	4.22	0.45±0.15	0.57±0.15	1000	305
7#	3.87	0.45±0.15	0.57±0.15	1000	305
8#	3.38	0.45±0.15	0.57±0.15	1000	305
9#	3	0.45±0.15	0.57±0.15	1000	305
10#	2.69	0.35±0.15	0.57±0.15	1000	305

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EXTRUSION TUBING

11#	2.41	0.35±0.10	0.57±0.10	1000	305
12#	2.16	0.35±0.10	0.57±0.10	1000	305
13#	1.93	0.35±0.10	0.57±0.10	1640	500
14#	1.68	0.35±0.10	0.57±0.10	1640	500
15#	1.5	0.35±0.10	0.57±0.10	1640	500
16#	1.34	0.35±0.10	0.57±0.10	1640	500
17#	1.19	0.35±0.10	0.57±0.10	1640	500
18#	1.07	0.35±0.10	0.45±0.10	1640	500
19#	0.96	0.35±0.10	0.45±0.10	1640	500
20#	0.86	0.35±0.10	0.45±0.10	1640	500
21#	0.79	0.35±0.10	0.45±0.10	1640	500

Note: Inside Diameter ±5% Other sizes are available upon special order.

Typical Properties

Item	CB-300/600 (PVC) Specifications
Temperature Rating (°C)	-10~105°C
Longitudinal Change	≤±5%
Tensile Strength (MPa)	≥10.4
Ultimate Elongation (%)	≥100
Aging in Circulating-air Oven	105 ±1.0°C, 168hrs
After aging - Tensile Strength (MPa)	≥7.3
After aging - Ultimate Elongation (%)	≥70
Potential Rating/V	300V, 600V
Volume Resistivity/Ωcm	≥10 ¹⁰
Dielectric Strength/V	2500(60s), No breakdown
Corrosion of Bare Copper	No corrosion
Heat Shock	No cracking
Cold Bend	No cracking

Availability Master reels and cut pieces

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manufacturing at the time of purchase. If this product is found to be defective within the warranty period, at our option we will refund the purchase price, replace or repair the Thermosleeve-USA product.



Part Number CB-300/600PE

Header CB-300/600PE Polyolefin Non-Shrink Tubing, 300V/600V

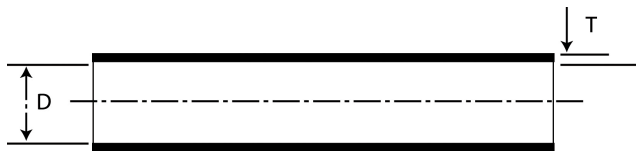
Description CB-300/600PE is flexible Polyolefin, halogen-free tubing, which has excellent electrical and physical performances properties and outstanding acid fastness and corrosion resistivity. The product has UL recognition and the file No is E180908.

Agency Approval & Compliance UL, CUL, RoHS, FMark, UL224, REACH, VW1

Application CB-300/600PE tubing is suitable for insulating electronics, automotive components, terminal lugs, small electrical parts, lead wires on toy motors and transformers etc.

Temperature Rating 125°C

Standard Sizes and Dimension



SIZE	Inside diameter (mm)	300PE Wall Thickness (mm)	600PE Wall Thickness (mm)
φ0.9	0.9±0.05	0.38±0.05	0.50±0.06
φ1.4	1.45±0.05	0.38±0.05	0.62±0.06
φ2.0	2.05±0.05	0.38±0.05	0.62±0.06
φ2.5	2.55±0.05	0.38±0.05	0.62±0.06
φ3.0	3.10±0.10	0.5±0.06	0.62±0.06
φ3.4	3.5±0.10	0.5±0.06	0.62±0.06
φ4.0	4.10±0.10	0.5±0.06	0.62±0.06
φ4.8	4.9±0.10	0.5±0.06	0.62±0.06
φ5.8	5.90±0.10	0.5±0.06	0.62±0.06
φ6.3	6.4±0.10	0.5±0.06	0.62±0.06
φ6.8	6.9±0.10	0.5±0.06	0.62±0.06
φ7.3	7.40±0.10	0.5±0.06	0.62±0.06
φ7.8	7.90±0.10	0.5±0.06	0.62±0.06
φ8.8	8.90±0.10	0.5±0.06	0.62±0.06
φ9.7	9.85±0.15	0.5±0.06	0.62±0.06
φ10.6	10.8±0.20	0.5±0.06	0.62±0.06

EXTRUSION TUBING

φ11.6	11.80±0.20	0.5±0.06	0.62±0.06
φ12.6	12.80±0.20	0.62±0.06	0.75±0.06
φ13.6	13.80±0.20	0.62±0.06	0.75±0.06
φ14.6	14.80±0.20	0.62±0.06	0.75±0.06
φ15.6	15.80±0.20	0.62±0.06	0.75±0.06

Typical Properties

Item	CB-300/600PE Specifications
Temperature Rating (°C)	125
Tensile Strength (MPa)	≥10.4
Ultimate Elongation (%)	≥200
Aging in Circulating-air Oven	158.0±1.0°C, 7 days
After aging - Tensile Strength (MPa)	≥7.3
After aging - Ultimate Elongation (%)	≥100
Potential Rating/V	300V, 600V
Volume Resistivity/Ωcm	≥10 ¹⁴
Dielectric Strength/V	2500(60s), No breakdown
Corrosion of Bare Copper	No corrosion
Heat Shock	No cracking
Flammability	VW-1

Availability Master reels and cut pieces

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Part Number CB-SGS

Header CB-SGS Flame Retardant Fiberglass Tubing

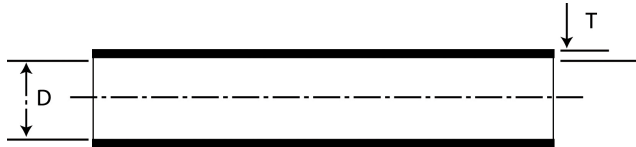
Description CB-SGS series tubing is flexible, flame-retardant, halogen free and comprised of silicone resin continuously coated on electrical-grade, braided fiberglass tubing.

Agency Approval & Compliance UL, CUL, RoHS, Halogen Free, Flame Retardant, REACH

Application CB-SGS series is widely used in many consumer appliances, lighting fixtures, stoves, oven and furnace controls, relays, breaker panels, switchgear and other commercial and industrial applications.

Temperature Rating -10°C~200°C

Standard Sizes and Dimension



Size	Inside Diameter (D) (mm)	Wall Thickness (T) (mm)				Packing Length (Meter/Roll)
		1200V	1500V/2500V	4000V	7000V	
Φ0.5	0.50+0.20/-0	0.28±0.05	0.35±0.05	0.40±0.05	0.45±0.05	100
Φ0.8	0.80+0.20/-0	0.28±0.05	0.35±0.05	0.40±0.05	0.45±0.05	100
Φ1.0	1.00+0.20/-0	0.28±0.05	0.35±0.05	0.40±0.05	0.45±0.05	100
Φ1.5	1.50+0.20/-0	0.28±0.05	0.35±0.05	0.40±0.05	0.45±0.05	100
Φ2.0	2.00+0.20/-0	0.28±0.05	0.35±0.05	0.40±0.05	0.45±0.05	100
Φ2.5	2.50+0.25/-0	0.30±0.05	0.35±0.05	0.40±0.05	0.45±0.05	100
Φ3.0	3.00+0.25/-0	0.30±0.05	0.35±0.05	0.40±0.05	0.45±0.05	100
Φ3.5	3.50+0.35/-0	0.38±0.05	0.42±0.05	0.50±0.05	0.55±0.05	100
Φ4.0	4.00+0.35/-0	0.38±0.05	0.42±0.05	0.50±0.05	0.55±0.05	100
Φ4.5	4.50+0.35/-0	0.38±0.05	0.42±0.05	0.50±0.05	0.55±0.05	100
Φ5.0	5.00+0.35/-0	0.38±0.05	0.42±0.05	0.50±0.05	0.55±0.05	100
Φ6.0	6.00+0.50/-0	0.43±0.05	0.45±0.05	0.55±0.05	0.60±0.05	100
Φ6.5	6.50+0.50/-0	0.43±0.05	0.45±0.05	0.55±0.05	0.60±0.05	100
Φ7.0	7.00+0.50/-0	0.43±0.05	0.45±0.05	0.55±0.05	0.60±0.05	100
Φ7.5	7.50+0.50/-0	0.43±0.05	0.45±0.05	0.55±0.05	0.60±0.05	100
Φ8.0	8.00+0.50/-0	0.43±0.05	0.45±0.05	0.55±0.05	0.60±0.05	50

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Φ8.5	8.50+0.50/-0	0.43±0.05	0.45±0.05	0.55±0.05	0.60±0.05	50
Φ9.0	9.00+0.50/-0	0.43±0.05	0.45±0.05	0.55±0.05	0.60±0.05	50
Φ10	10.0+0.70/-0	0.47±0.05	0.53±0.05	0.60±0.05	0.65±0.05	50
Φ11	10.0+0.70/-0	0.47±0.05	0.53±0.05	0.60±0.05	0.65±0.05	50
Φ12	12.0+0.70/-0	0.47±0.05	0.53±0.05	0.60±0.05	0.65±0.05	30
Φ13	13.0+0.80/-0	0.53±0.05	0.56±0.05	0.65±0.05	0.70±0.05	30
Φ14	14.0+0.80/-0	0.53±0.05	0.56±0.05	0.65±0.05	0.70±0.05	30
Φ15	15.0+0.80/-0	0.53±0.05	0.56±0.05	0.65±0.05	0.70±0.05	30
Φ16.0	16.0+0.80/-0	0.53±0.05	0.56±0.05	0.65±0.05	0.70±0.05	30
Φ17.0	17.0+0.80/-0	0.53±0.05	0.56±0.05	0.65±0.05	0.70±0.05	30
Φ18.0	18.0+0.80/-0	0.53±0.05	0.56±0.05	0.65±0.05	0.70±0.05	25
Φ19.0	19.0+0.80/-0	0.53±0.05	0.56±0.05	0.65±0.05	0.70±0.05	25
Φ20.0	20.0+0.80/-0	0.53±0.05	0.56±0.05	0.65±0.05	0.70±0.05	25
Φ22.0	22.0+0.90/-0	0.68±0.05	0.70±0.05	1.00±0.05	1.05±0.05	25
Φ25.0	25.0+0.90/-0	0.68±0.05	0.70±0.05	1.00±0.05	1.05±0.05	25
Φ30.0	30.0+0.90/-0	0.68±0.05	0.70±0.05	1.00±0.05	1.05±0.05	25
Φ 35.0	35.0+0.90/-0	0.68±0.05	0.70±0.05	1.00±0.05	1.05±0.05	25

Typical Properties

Item	Silicone/Fiberglass Sleeving
Temperature Range	-10°C~+200°C
Temperature Endurance	200±2°C, 168h≥1/2
Aging Test	260°C, 6h, No cracking
Cold Bend	No cracking
Horizontal Flame Test	Pass
Flammability	VW-1
Submerge Water Test	None viscous, no deformation, no softening

Type	Testing Condition	Average Voltage	Individual Value (V)
CB-SGS-12	UL1441	1200	800
CB-SGS-15	UL1441	1500	1000
CB-SGS-25	UL1441	2500	1800
CB-SGS-40	UL1441	4000	3000
CB-SGS-70	UL1441	7000	5000

Availability Master reels and cut pieces

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Part Number CB-SRS1

Header CB-SRS1 Flame Retardant Fiberglass Tubing (inner Fiberglass/outer Silicone)

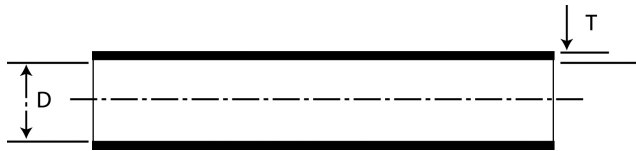
Description CB-SRS1 series tubing is flexible, flame-retardant and halogen free. CB-SRS is a fiberglass tubing coated with silicone rubber at high temperature.

Agency Approval & Compliance UL, CUL, RoHS, Halogen Free, Flame Retardant, REACH

Application CB-SRS1 fiberglass tubing provides good electrical insulation and is widely used in many consumer appliances, lighting fixtures, stoves, oven and furnace controls, relays, breaker panels, switchgear and other commercial and industrial applications.

Temperature Rating -10°C~200°C

Standard Sizes and Dimension



Size	Inside Diameter (mm) (D)	Wall Thickness (mm) (T)		Packing Length (Meter/Roll)
		4000V	7000V	
Φ0.5	0.5+0.2/-0	0.40±0.05	0.45±0.05	200
Φ0.8	0.8+0.2/-0	0.40±0.05	0.45±0.05	200
Φ1.0	1.0+0.2/-0	0.40±0.05	0.45±0.05	200
Φ1.5	1.5+0.2/-0	0.40±0.05	0.45±0.05	200
Φ2.0	2.0+0.2/-0	0.40±0.05	0.45±0.05	200
Φ2.5	2.5+0.25/-0	0.40±0.05	0.50±0.05	100
Φ3.0	3.0+0.25/-0	0.40±0.05	0.50±0.05	100
Φ3.5	3.5+0.35/-0	0.50±0.05	0.55±0.05	100
Φ4.0	4.0+0.35/-0	0.50±0.05	0.55±0.05	100
Φ4.5	4.5+0.35/-0	0.50±0.05	0.55±0.05	100
Φ5.0	5.0+0.35/-0	0.50±0.05	0.55±0.05	100
Φ5.5	5.5+0.5/-0	0.55±0.05	0.60±0.05	100
Φ6.0	6.0+0.5/-0	0.55±0.05	0.60±0.05	100
Φ7.0	7.0+0.5/-0	0.55±0.05	0.60±0.05	100
Φ8.0	8.0+0.5/-0	0.55±0.05	0.60±0.05	50
Φ9.0	9.0+0.5/-0	0.55±0.05	0.60±0.05	50

EXTRUSION TUBING

Φ10.0	10.0+0.7/-0	0.60±0.05	0.65±0.05	50
Φ11.0	11.0+0.7/-0	0.60±0.05	0.65±0.05	50
Φ12.0	12.0+0.7/-0	0.60±0.05	0.65±0.05	30
Φ13.0	13.0+0.8/-0	0.65±0.05	0.70±0.05	30
Φ14.0	14.0+0.8/-0	0.65±0.05	0.70±0.05	30
Φ15.0	15.0+0.8/-0	0.65±0.05	0.70±0.05	30
Φ16.0	16.0+0.8/-0	0.65±0.05	0.70±0.05	30
Φ17.0	17.0+0.8/-0	0.65±0.05	0.70±0.05	30
Φ18.0	18.0+0.8/-0	0.65±0.05	0.70±0.05	25
Φ20.0	20.0+0.8/-0	0.65±0.05	0.70±0.05	25
Φ22.0	22.0+0.9/-0	1.00±0.05	1.00±0.05	25
Φ25.0	25.0+1.0/-0	1.00±0.05	1.00±0.05	25
Φ30.0	30.0+1.0/-0	1.00±0.05	1.00±0.05	25
Φ35.0	35.0+1.0/-0	1.00±0.05	1.00±0.05	25

Typical Properties

Item	Silicone/Fiberglass Sleeving
Temperature Range	-10°C~+200°C
Temperature Endurance	200±2°C, 168h≥1/2
Aging Test	260°C, 6h, No cracking
Cold Bend	No cracking
Horizontal Flame Test	Pass
Flammability	VW-1
Volume Resistivity	10 ¹¹
Submerge Water Test	None viscous, no deformation, no softening

Type	Testing Condition	Average Voltage	Individual Value (V)
CB-SRS1-40	UL1441	4000	3000
CB-SRS1-70	UL1441	7000	5000

Availability Master reels and cut pieces

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Part Number CB-SRS2

Header CB-SRS2 Flame Retardant Fiberglass Tubing (inner Silicone /outer Fiberglass)

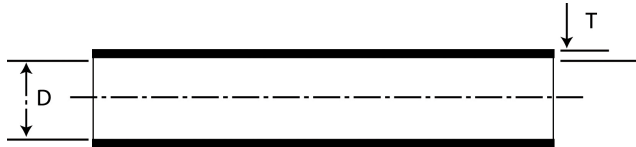
Description CB-SRS2 series tubing is flexible, flame-retardant and halogen free. CB-SRS is a fiberglass tubing coated with silicone rubber at high temperature.

Agency Approval & Compliance UL, CUL, RoHS, Halogen Free, Flame Retardant, REACH

Application CB-SRS2 fiberglass tubing provides good electrical insulation and is widely used in many consumer appliances, lighting fixtures, stoves, oven and furnace controls, relays, breaker panels, switchgear and other commercial and industrial applications.

Temperature Rating -10°C~200°C

Standard Sizes and Dimension



Size	Inside Diameter (D) (mm)	Wall Thickness (T) (mm) 7000V
Φ0.5	0.5+0.20/-0	0.60±0.05
Φ0.8	0.8+0.20/-0	0.60±0.05
Φ1.0	1.0+0.20/-0	0.60±0.05
Φ1.5	1.5+0.20/-0	0.60±0.05
Φ2.0	2.0+0.20/-0	0.60±0.05
Φ2.5	2.5+0.25/-0	0.60±0.05
Φ3.0	3.0+0.30/-0	0.70±0.05
Φ3.5	3.5+0.30/-0	0.70±0.05
Φ4.0	4.0+0.30/-0	0.70±0.05
Φ4.5	4.5+0.30/-0	0.70±0.05
Φ5.0	5.0+0.30/-0	0.70±0.05
Φ6.0	6.0+0.35/-0	0.75±0.05
Φ7.0	7.0+0.35/-0	0.75±0.05
Φ8.0	8.0+0.40/-0	0.80±0.05
Φ9.0	9.0+0.40/-0	0.80±0.05
Φ10.0	10.0+0.50/-0	0.90±0.05

EXTRUSION TUBING

Φ11.0	11.0+0.50/-0	0.90±0.05
Φ12.0	12.0+0.50/-0	0.90±0.05
Φ13.0	13.0+0.65/-0	1.30±0.05
Φ14.0	14.0+0.65/-0	1.30±0.05
Φ15.0	15.0+0.65/-0	1.30±0.05
Φ16.0	16.0+0.65/-0	1.30±0.05
Φ17.0	17.0+0.65/-0	1.30±0.05
Φ18.0	18.0+0.65/-0	1.30±0.05
Φ20.0	20.0+0.65/-0	1.30±0.05
Φ22.0	22.0+0.65/-0	1.30±0.05
Φ25.0	25.0+0.65/-0	1.30±0.05

Typical Properties

Item	Silicone/Fiberglass Sleeving
Temperature Range	-10°C~+200°C
Temperature Endurance	200±2°C, 168h≥1/2
Aging Test	260°C, 6h, No cracking
Cold Bend	No cracking
Horizontal Flame Test	Pass
Flammability	VW-1
Submerge Water Test	None viscous, no deformation, no softening

Type	Testing Condition	Average Voltage	Individual Value (V)
CB-SRS2-70	UL1441	7000	5000

Availability Master reels and cut pieces

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Part Number CB-SRT

Header CB-SRT Extruded Silicone Rubber Tubing

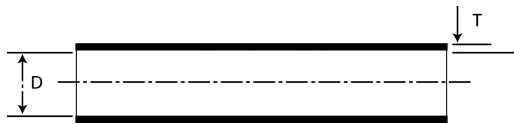
Description CB-SRT is silicone rubber tubing ideally suited for many automotive, appliance, electrical/electronic, and aerospace custom rubber requirements.

Agency Approval & Compliance UL, CUL, RoHS, Halogen Free, Flame Retardant, REACH, VW-1

Application CB-SRT silicone tubing is used where high resistance to both high and low temperature extremes are involved.

Temperature Rating -50°C~200°C

Standard Sizes and Dimension



Size mm	Size mm	Inside Diameter (D) (mm)	Wall Thickness (T) (mm)			Packing Length (Meter/Roll)
			1000V	1200V	1500V	
Φ0.8		0.80+0.20/-0.1	0.5±0.10	0.6±0.10	1.0±0.10	100
Φ1.0		1.00+0.20/-0.1				100
Φ1.2		1.20+0.20/-0.1				100
Φ1.5		1.50+0.20/-0.1				100
Φ2.0		2.00+0.20/-0.1				100
Φ2.5		2.50+0.20/-0.1				100
Φ3.0		3.00+0.20/-0.1				100
Φ3.5		3.50+0.20/-0.1				100
Φ4.0		4.00+0.20/-0.1				100
Φ4.5		4.50+0.20/-0.1				100
Φ5.0		5.00+0.20/-0.1	0.7±0.10	0.8±0.10	1.0±0.10	100
Φ6.0		6.00+0.20/-0.1				100
Φ7.0		7.00+0.20/-0.1				100
Φ8.0		8.00+0.20/-0.1				100
Φ9.0		9.00+0.20/-0.1	0.8±0.10	0.9±0.10	1.0±0.10	100
Φ10		10.0+0.20/-0.1				100
Φ11		10.0+0.20/-0.1	0.9±0.10	1.0±0.10	1.5±0.1.0	50
Φ12		12.0+0.20/-0.1				50

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EXTRUSION TUBING

Φ13		13.0+0.20/-0.1	1.0±0.10	1.1±0.10	1.5±0.1.0	50
Φ14		14.0+0.20/-0.1				50

Typical Properties

Specifications	Flammability	General Type
Tensile Strength MPa (Kg/cm ²)	≥6.9 (70)	≥6.9 (70)
Elongation	≥200	≥300
Peel Strength kN/m (Kg f/cm)	≥14.5 (15)	≥14.5 (15)
Resistant Volume Ω•m(Ω •cm)	≥2X10 ¹² (2X10 ¹⁴)	≥2X10 ¹² (2X10 ¹⁴)
Dielectric Strength KV/mm	≥25	≥25
Dielectric Constant (ε) 50Hz	3.2	3.2
Dielectric Loss Tangent Angle 50Hz	0.001	0.001
Flammability UL-224	VW-1	-
Operation Temperature (°C)	-50~+200	-50~+200

Availability Master reels and cut pieces

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