

Part Number CB-SGS

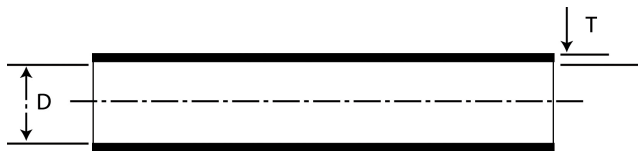
Header CB-SGS Flame Retardant Fiberglass Tubing

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
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

Important Notice All information contained in this data sheet is believed to be reliable and accurate. It is advised however that the end user of this material evaluate the suitability of the product for their specific application.

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