

Part Number CB-TT L/T/S

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

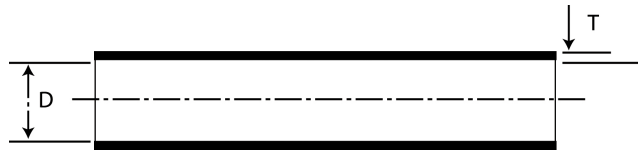
Description CB-TT series PTFE tubing has high temperature (260°C) resistance, corrosion resistance, excellent insulation and mechanical strength properties. This tubing is being used widely in industries such as electrical, computer, chemical, aerospace, military and transmission system etc, where high 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
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-S (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
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°CJ/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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