



# THIN WALL TEFLON TUBING

for electrical use

HABIA thin wall tubing finds many interesting applications with very good results in the electrical field:

- Insulation of wire joints and connecting ends in e.g. domestic appliances such as: toasters and coffee machines;
- Soldering irons;
- Distance tubes for transistors;
- Insulation of high voltage cable;
- A special kind of thin wall tubing is spiral cut. It can be used to bind groups of wires into flexible harnesses of cable. See page 14.

Dimensions. ID mm OD mm	Wall mm	Calculated Weight g/100 m	Corresponding to AWG
0.2 × 0.4	0.1	20	ultra-
0.3 × 0.5	0.1	27	thin
0.4 × 0.6	0.1	34	tubing
0.5 × 0.7	0.1	41	"
0.6 × 0.8	0.1	48	"
0.7 × 0.9	0.1	55	"
0.8 × 1.0	0.1	61	"
0.9 × 1.1	0.1	68	"
1.0 × 1.2	0.1	75	"
0.3 × 0.6	0.15	46	30 LW
0.4 × 0.7	0.15	57	28 LW
0.3 × 0.8	0.25	95	30 TW
0.5 × 0.8	0.15	66	26 LW
0.4 × 0.9	0.25	110	28 TW
0.6 × 0.9	0.15	77	24 LW
0.5 × 1.0	0.25	130	26 TW
0.6 × 1.0	0.20	110	
0.6 × 1.1	0.25	150	24 TW
0.7 × 1.1	0.20	125	22 LW
0.7 × 1.2	0.25	165	22 TW
0.8 × 1.2	0.20	135	21 TW
0.8 × 1.3	0.25	180	21 TW
1.0 × 1.4	0.20	165	19 LW
0.9 × 1.5	0.30	250	20 TW
1.1 × 1.5	0.20	180	18 LW
1.0 × 1.6	0.30	270	19 TW
1.2 × 1.6	0.20	195	17 LW
1.1 × 1.7	0.30	290	18 TW
1.2 × 1.8	0.30	310	17 TW
1.4 × 1.8	0.20	220	16 LW
1.5 × 1.9	0.20	235	15 LW
1.4 × 2.0	0.30	350	16 TW
1.5 × 2.1	0.30	370	15 TW

Dimensions ID mm OD mm	Wall mm	Calculated Weight g/100 m	Corresponding to AWG
1.7 × 2.1	0.20	260	14 LW
1.7 × 2.3	0.30	410	14 TW
2.0 × 2.4	0.20	300	13 LW
2.0 × 2.6	0.30	475	13 TW
2.2 × 2.6	0.20	330	12 LW
2.2 × 2.8	0.30	515	12 TW
2.5 × 2.9	0.20	370	11 LW
2.0 × 3.0	0.50	865	
2.5 × 3.1	0.30	580	11 TW
2.7 × 3.1	0.20	400	10 LW
2.7 × 3.3	0.30	620	10 TW
3.0 × 3.4	0.20	440	9 LW
3.2 × 3.6	0.20	470	1/8 LW
3.4 × 3.8	0.20	485	8 LW
3.0 × 3.8	0.40	940	9 TW
3.2 × 4.0	0.40	990	1/8 TW
3.8 × 4.2	0.20	553	7 LW
3.4 × 4.2	0.40	1050	8 TW
3.8 × 4.6	0.40	1160	7 TW
4.3 × 4.8	0.25	786	6 LW
4.3 × 5.1	0.40	1320	6 TW
4.0 × 6.0	1.0	3460	6 TW
4.8 × 5.3	0.25	900	5 LW
5.0 × 6.0	0.5	1900	
6.0 × 8.0	1.0	4850	
8.0 × 10.0	1.0	6200	
10.0 × 12.0	1.0	7600	
12.0 × 14.0	1.0	9000	
16.0 × 19.0	1.5	17600	
19.0 × 22.0	1.5	21200	
25.0 × 28.0	1.5	27500	

## Standard tolerances

ID mm	Tolerance mm	Wall mm	Tolerance mm
0.2- 1.0	±0.05	0.10-0.15	±0.03
1.1- 2.0	±0.10	0.20-0.30	±0.05
2.1- 4.0	±0.15	0.40-0.60	±0.07
4.1- 8.0	±0.20	0.70-0.90	±0.10
8.1-12.5	±0.30	1.00-2.00	±0.20
12.6-25.0	±0.50		
29.0-47.0	±1.00		
49.0-61.0	±1.50		
68.0-79.0	±2.00		

For national approval for use up to 250°C the tubes can be marked with a black longitudinal stripe extruded in the tube for all colours except black, which is marked with a grey stripe.

Tubing in TEFLON PFA, -FEP and TEFZEL EFTE also available on request.

When ordering please state:

1. Dimensions ID × OD e.g. 0.3 × 0.6
  2. Quantity in meters
  3. If medical application.
- Other dimensions on request.

AWG = American standard  
LW = Light wall  
TW = Thin wall

For lbs/100 feet multiply by 0,000672.