



PTFE tubes have a very high chemical resistance. Fluorinated polymer guarantees good dimensional stability and temperature resistance from -70°C to +260°C. PTFE tubes are flame-retardant, electrically insulating and have a smooth inner core that is easy to clean. The material has a very low coefficient of friction and is therefore also non-stick.

PTFE Tubing with AWG Sizes

Properties

- High continuous operating temperatures from -70°C up to 260°C
- Good sliding properties
- Highest short-term temperature resistance of all fluoropolymers
- Best flexural fatigue strength

Tolerances

Tolerances according to:	ASTM	AMS	MIL
SW (normal wall)	ASTM D 3295, C	AMS 3653	MIL-I-22129
TW (thin-walled)	ASTM D 3295, B	AMS 3655	---
LW (light-walled)	ASTM D 3295, A	AMS 3654	---

Dimensions

AWG Size	Inner diameter in mm			normal-walled SW 600 V		thin-walled TW 300 V		light-walled LW 150 V	
	Nominal diameter	min. Diameter	max. diameter	Master number	Wall thickness [mm]	Master number	Wall thickness [mm]	Master number	Wall thickness [mm]
32	0,23	0,18	0,28	ISPTFE32/13	0,13 ±0,05	ISPTFE32/13	0,13 ±0,05		-----
30	0,32	0,25	0,38	ISPTFE30/23	0,23 ±0,05	ISPTFE30/23	0,23	ISPTFE30/15	0,15 ±0,05
28	0,40	0,33	0,48	ISPTFE28/23	0,23	ISPTFE28/23	0,23	ISPTFE28/15	0,15
26	0,47	0,41	0,56	ISPTFE26/23	0,23	ISPTFE26/23	0,23	ISPTFE26/15	0,15
24	0,59	0,51	0,67	ISPTFE24/30	0,31 ±0,07	ISPTFE24/25	0,25 ±0,07	ISPTFE24/15	0,15
23	0,66	0,58	0,74	ISPTFE23/30	0,31	ISPTFE23/25	0,25	ISPTFE23/15	0,15
22	0,73	0,64	0,81	ISPTFE22/30	0,31	ISPTFE22/25	0,25	ISPTFE22/15	0,15
21	0,82	0,74	0,89	ISPTFE21/30	0,31	ISPTFE21/25	0,25	ISPTFE21/15	0,15
20	0,91	0,81	1,01	ISPTFE20/41	0,41 ±0,07	ISPTFE20/31	0,31 ±0,07	ISPTFE20/15	0,15
19	1,01	0,91	1,11	ISPTFE19/41	0,41	ISPTFE19/31	0,31	ISPTFE19/15	0,15
18	1,14	1,02	1,25	ISPTFE18/41	0,41	ISPTFE18/31	0,31	ISPTFE18/15	0,15
17	1,26	1,14	1,37	ISPTFE17/41	0,41	ISPTFE17/31	0,31	ISPTFE17/15	0,15
16	1,43	1,30	1,55	ISPTFE16/41	0,41	ISPTFE16/31	0,31	ISPTFE16/15	0,15
15	1,58	1,45	1,70	ISPTFE15/41	0,41	ISPTFE15/31	0,31	ISPTFE15/15	0,15
14	1,76	1,63	1,88	ISPTFE14/41	0,41	ISPTFE14/31	0,31	ISPTFE14/20	0,20 ±0,05
13	1,96	1,83	2,08	ISPTFE13/41	0,41	ISPTFE13/31	0,31	ISPTFE13/20	0,20
12	2,19	2,06	2,31	ISPTFE12/41	0,41	ISPTFE12/31	0,31	ISPTFE12/20	0,20
11	2,44	2,31	2,57	ISPTFE11/41	0,41	ISPTFE11/31	0,31	ISPTFE11/20	0,20
10	2,72	2,59	2,85	ISPTFE10/41	0,41	ISPTFE10/31	0,31	ISPTFE10/20	0,20
9	3,03	2,90	3,15	ISPTFE09/51	0,51 ±0,10	ISPTFE09/38	0,38 ±0,07	ISPTFE09/20	0,20
8	3,43	3,28	3,58	ISPTFE08/51	0,51	ISPTFE08/38	0,38	ISPTFE08/20	0,20
7	3,84	3,66	4,01	ISPTFE07/51	0,51	ISPTFE07/38	0,38	ISPTFE07/20	0,20
6	4,32	4,12	4,52	ISPTFE06/51	0,51	ISPTFE06/38	0,38	ISPTFE06/25	0,25 ±0,07
5	4,83	4,62	5,03	ISPTFE05/51	0,51	ISPTFE05/38	0,38	ISPTFE05/25	0,25
4	5,44	5,18	5,69	ISPTFE04/51	0,51	ISPTFE04/38	0,38	ISPTFE04/25	0,25

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3	6,08	5,82	6,33	ISPTFE03/51	0,51	ISPTFE03/38	0,38	ISPTFE03/25	0,25
2	6,81	6,55	7,06	ISPTFE02/51	0,51	ISPTFE02/38	0,38	ISPTFE02/25	0,25
1	7,62	7,34	7,90	ISPTFE01/51	0,51	ISPTFE01/38	0,38	ISPTFE01/25	0,25
0	8,54	8,26	8,81	ISPTFE00/51	0,51	ISPTFE00/38	0,38	ISPTFE00/30	0,31 ±0,07

Also available with UL approval

Standard color:

natural (milky-transparent)

10 basic colors and color stripes possible