



铁氟龙套管 Teflon Tube

氟龙套管由聚四氟乙烯 PTFE 材料制成，具有耐高温 280℃、耐腐蚀、高绝缘、机械强度佳等特性。其广泛用于电子、电脑、电热、航太、军事、通讯等重要科技工业，如微型变压器等。

➤ 描述 Description:

POLYTETRAFLUOROETHYLENE (PTFE)

➤ 特点 Feature:

Voltage: 600V, 300V, 150V, Breakdown Voltage: 12000V, 7200V, 3600V, Working

➤ 应用 Application:

for insulation of electric appliances, electronic apparatus, aircrafts, cars, medical tools etc.

➤ 颜色 Color: clear、black

➤ 说明 Specification:

Properties	ASTM Test Method	Value
Tensile Strength 23°C	D-638-52T	300-350 kg/cm ²
Elongation 23°C	D-638-52T	300-500 %
Flex Life Water-quenched Sample	-	1,200,000 Cycles
Flex Life Sample Cooled 1°C/min	-	225,000 Cycles
Deformation under 70 kg/cm ² Load, 21°C for 24 hrs.	D-621-51	2.4 %
Hardness, Shore D	D-676-19T	50-65
Dielectric Strength, 0.38 mm	D-149-44	24 kv/mm
Dielectric Constant 60 to 1 x 10 ⁸ cps.	D-150-54T	2.2
Volume Resistivity	D-257-57T	> 10 ¹⁸ Ohm-cm
Water Absorption	D-570-54T	< 0.01 %
Specific Gravity	D-792-50	2.14-2.21
Flammability	D-635-56T	Nonflammable, VW-1
Weather resistance		Excellent
Chemical Resistance		Insert to almost all Chemicals

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➤ 规格 Standard Size:

SIZE AWG	内径 ID(mm)			外径 OD(mm)			长度(m)
	Min	Nomal	Max	S-Type	T-Type	L-Type	Length
30	0.25	0.30	0.38	0.76	0.76	0.60	305
28	0.33	0.38	0.46	0.84	0.84	0.68	305
26	0.41	0.46	0.53	0.92	0.92	0.76	305
24	0.51	0.56	0.66	1.16	1.06	0.86	305
23	0.58	0.66	0.74	1.26	1.16	0.96	305
22	0.66	0.71	0.81	1.31	1.21	1.01	305
21	0.74	0.81	0.89	1.41	1.31	1.11	305
20	0.81	0.86	0.97	1.66	1.46	1.16	305
19	0.91	0.96	1.07	1.76	1.56	1.26	305
18	1.01	1.07	1.17	1.87	1.67	1.37	305
17	1.14	1.19	1.32	1.99	1.79	1.49	305
16	1.29	1.34	1.47	2.14	1.94	1.64	305
15	1.45	1.50	1.65	2.30	2.10	1.80	153
14	1.62	1.68	1.83	2.48	2.28	2.08	153
13	1.83	1.93	2.05	2.73	2.53	2.33	153
12	2.05	2.16	2.31	2.96	2.77	2.56	153
11	2.31	2.41	2.57	3.21	3.01	2.81	153
10	2.59	2.69	2.84	3.49	3.29	3.09	153
9	2.90	3.00	3.15	4.00	3.76	3.40	153
8	3.28	3.38	3.53	4.38	4.14	3.78	153
7	3.65	3.76	3.94	4.76	4.52	4.16	153
6	4.11	4.22	4.41	5.22	4.98	4.72	153
5	4.62	4.72	4.95	5.72	5.48	5.22	153
4	5.18	5.28	5.53	6.28	6.04	5.78	153
3	5.81	5.94	6.20	6.94	6.70	6.44	153
2	6.55	6.68	6.93	7.68	7.44	7.18	153
1	7.34	7.46	7.75	8.46	8.22	7.96	153
0	8.26	8.38	8.69	9.38	9.14	8.80	153

S-Type (600V rating)	T-Type (300V rating)	L-Type (150V rating)
Minimum thickness at any point of the wall (mm)	Minimum thickness at any point of the wall (mm)	Minimum thickness at any point of the wall (mm)
30S~26S: 0.229 24S~19S: 0.305 18S~10S: 0.406 9S~0S: 0.483	30T~10T: 0.229 9T~0T: 0.279	30L~15L: 0.114 14L~9L: 0.165 8L~7L: 0.179 6L~0L: 0.203

注：以上是铁氟龙套管的部分国标规格。

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