

Type TH xxxx SPC

镀银铜芯PTFE挤出和氟树脂涂覆聚酰亚胺薄膜复合绝缘轻型航空导线

-90 ~ +200°C

VOLTAGE RATING 600V AC

交流600伏额定电压

NICKEL PLATED COPPER CONDUCTOR

高导镀银铜丝导体

ARC TRACKING RESISTANCE

耐电弧

INCREASED CUT-THROUGH RESISTANCE

经过强化的绝缘防穿透能力

INCREASED ABRASION RESISTANCE

经过强化的耐磨性

VERY GOOD RESISTANCE TO AIRCRAFT FLUIDS

优良的航空煤油耐受性

Insulation: PTFE extrusion & polytetrafluoroethylene/ Polyimide composite tape

绝缘: 聚四氟乙烯挤出和氟树脂涂覆聚酰亚胺薄膜绕包绝缘

Operating temperature: -90 ~ +200°C

工作温度: -90 ~ +200°C

Voltage rating: 600 Volts AC

额定电压: 交流600伏

Wall thickness: 0.23 ~ 0.37 mm

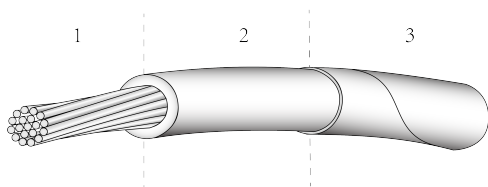
绝缘壁厚: 0.23 ~ 0.37 mm

Standard colors: Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White, other colors upon request(striped color available), only upon PTFE.

标准颜色: 黑、棕、红、橙、黄、绿、蓝、紫、灰、白, 可按要求定制(可定制双色线), 颜色仅仅针对PTFE层。

Standard multicore: twisted pairs, twisted triples, twisted quads, etc.

多芯电缆: 双绞线、三芯绞合、四芯绞合, 等。有无护套, 有无屏蔽均可。



CONSTRUCTION/ 产品结构

- | | |
|-------------------|---|
| 1. Conductor/ 导体 | electrolytic silver plated annealed copper
退火镀银电解铜 |
| 2. Insulation/ 绝缘 | Extruded PTFE, color upon request.
聚四氟乙烯挤出, 颜色可按客户要求指定 |
| 3. Jacket/ 护套 | FP/ Polyimide/ FP tape wrapped and sintered
氟树脂涂覆聚酰亚胺薄膜绕包并烧结 |

APPLICATION/ 应用

Our Polyimide & PTFE composited insulated wire is designed for the harshest environments and extreme conditions . This wire may may be used in commercial or military aircraft where wire applications must adhere to certain restrictions and specifications. Our high-performance wire meets requirements for small dimensions, high-temperature resistance, low weight, and low flame propagation.

我们的聚酰亚胺/聚四氟乙烯复合绝缘航空导线专为恶劣环境和极端条件而设计。这类电线可用于那些对电线的使用坚持严格要求和规范的商用或军用飞机。我们的高性能电线满足小尺寸、耐高温、轻量化和低火焰传播的要求。

PART NUMBER 产品编码	AWG 美规线号	CONDUCTOR/ 导体				INSULATED WIRE/ 成品电线		
		CONSTRUCTION 导体结构 (NB × Ø mm)	NOMNAL Ø 标称直径 (mm)	NOMNAL AREA 标称横截面 (mm ²)	IOMNAL RESISTANCE 标称直流电阻 (Ω / 100m)	NOMNAL Ø 标称完成外径 (mm)	APPROX. WEIGHT 成品约重 (g/m)	
TH 2801	28	1/ 0.320	0.320	0.081	21	0.80	1.9	
TH 2807	28	7/ 0.127	0.381	0.088	20	0.86	2	
TH 2601	26	1/ 0.403	0.403	0.13	13	0.89	2.79	
TH 2619	26	19/ 0.102	0.504	0.15	12	0.99	2.85	
TH 2401	24	1/ 0.510	0.510	0.21	8.5	1.00	3.70	
TH 2419	24	19/ 0.127	0.634	0.24	7.5	1.11	3.87	
TH 2201	22	1/ 0.644	0.644	0.33	5.3	1.22	5.32	
TH 2219	22	19/ 0.160	0.800	0.38	4.7	1.27	5.44	
TH 2001	20	1/ 0.812	0.812	0.52	3.3	1.30	7.92	
TH 2019	20	19/ 0.203	1.009	0.62	2.9	1.49	8.03	
TH 1819	18	19/ 0.254	1.269	0.96	1.9	1.75	11.96	
TH 1619	16	19/ 0.300	1.500	1.34	1.4	1.91	14.68	
TH 1419	14	19/ 0.361	1.803	1.94	0.92	2.31	22.13	
TH 1219	12	19/ 0.455	2.270	3.10	0.6	2.81	34.19	
TH 1037	10	37/ 0.404	2.800	4.74	0.4	3.54	52.32	

