

特种耐高温型计算机电缆

◆ 执行标准

特种耐高温计算机电缆制造标准为 Q/320412HLC002。

◆ 用 途

本产品适用于各种仪器仪表的连结,以及信号传输。它具有耐高温、低温、耐腐蚀、抗老化等优点,对特殊场所或恶劣环境中的使用是目前最理想的产品,正常使用温度为-60℃~250℃。

◆ 产品性能

- (1) 产品额定电压 (U_0/U): 300/500V。
- (2) 长期工作温度为: 氟塑料绝缘及护套-60℃~250℃, 硅橡胶绝缘及护套-60℃~200℃。
- (3) 敷设时环境温度不低于: 固定敷设-40℃, 非固定敷设-15℃。
- (4) 最小弯曲半径: 无铠装层应不小于电缆外径的 6 倍; 带铠装层的电缆应不小于电缆外径的 12 倍。

◆ 技术数据

- (1) 在 20℃ 时用直流 500V 电压试验稳定充电 1min 后绝缘电阻应不小于 2500MΩ·km。
- (2) 各对绞屏蔽之间以及对绞屏蔽与总屏蔽之间应不短路。
- (3) 电缆的线芯和线芯之间以及与屏蔽之间应经受 50Hz, 交流 2000V 电压试验 5min 不击穿。

◆ 型号名称及结构尺寸

1. 型号名称 (见表 1)

表 1

型号	名称
DJFFP	铜芯耐高温屏蔽计算机电缆
ZR-DJFPFP	铜芯阻燃耐高温铜丝分屏蔽和总屏蔽计算机电缆
ZR-DJFPF	铜芯阻燃耐高温铜丝分屏蔽计算机电缆
ZR-DJFPF ₂	铜芯阻燃耐高温铜带总屏蔽计算机电缆
ZR-DJHCFPGZ	铜芯阻燃耐高温铜丝分屏蔽计算机电缆
ZR-DJHCFGZP ₂	氟塑料绝缘硅橡胶护套阻燃铜带总屏蔽计算机电缆
DJHCGZPGZP	硅橡胶绝缘及护套铜丝分总屏蔽计算机电缆
ZR-DJHCGZGZP	硅橡胶绝缘及护套阻燃铜丝总屏蔽计算机电缆
ZR-DJHCGZPVP	硅橡胶绝缘阻燃护套铜丝分总屏蔽计算机电缆
ZR-DJHCGZVP	硅橡胶绝缘阻燃护套铜丝总屏蔽计算机电缆
DJFVP ₂₂	铜芯氟塑料绝缘耐高温铜丝屏蔽钢带铠装计算机电缆
DJHCGZVP ₂₂	铜芯硅橡胶绝缘铜网屏蔽钢带铠装计算机电缆

2. 结构尺寸

表 2

规格	导体结构 根数/线径 mm	近似外径 mm				
		DJFFRP	ZR-DJFVRP ₂	ZR-DJFVRP	ZR-DJFVFRP ₂	ZR-DJHCFPGZ
1×2×0.5	16/0.20	5.0		7.2	6.4	
1×2×0.75	24/0.20	5.5		7.5	6.8	
1×2×1.0	32/0.20	5.8		7.8	7.0	
1×2×1.5	30/0.25	7.2		8.3	7.3	
2×2×0.5	16/0.20	8.8	10.7	10.1	10.1	10.8
2×2×0.75	24/0.20	10.5	11.8	11.5	11.5	12.2
2×2×1.0	32/0.20	10.7	11.9	11.6	11.6	12.3
2×2×1.5	30/0.25	11.6	13.1	12.4	12.4	13.4
3×2×0.5	16/0.20	9.2	10.9	10.4	10.4	13.2
3×2×0.75	24/0.20	11.35	12.0	11.8	11.9	13.5
3×2×1.0	32/0.20	12.4	13.5	13.0	13.0	14.6
3×2×1.5	30/0.25	14.0	15.5	14.7	14.7	15.5
5×2×0.5	16/0.20	11.0	12.6	12.2	12.3	12.5
5×2×0.75	24/0.20	11.8	12.7	12.5	12.5	12.6
5×2×1.0	32/0.20	13.9	15.8	15.6	15.5	15.7
5×2×1.5	30/0.25	15.6	17.5	17.1	17.1	17.3
7×2×0.5	16/0.20	12.0	13.6	13.9	13.2	13.8
7×2×0.75	24/0.20	14.3	15.2	15.4	15.0	16.3
7×2×1.0	32/0.20	15.5	17.3	17.6	17.0	17.8
7×2×1.5	30/0.25	17.8	21.0	21.3	19.6	21.9
8×2×0.5	16/0.20	14.4	16.2	16.6	16.3	17.0
8×2×0.75	24/0.20	16.5	17.4	18.1	17.4	17.8
8×2×1.0	32/0.20	17.8	19.6	19.9	19.4	20.3
8×2×1.5	30/0.25	19.2	23.3	23.5	22.6	24.2
10×2×0.5	16/0.20	16.9	19.2	17.9	17.8	18.4
10×2×0.75	24/0.20	19.1	22.6	22.0	19.8	21.3
10×2×1.0	32/0.20	21.3	23.4	22.4	21.5	22.0
10×2×1.5	30/0.25	23.1	27.0	26.2	25.1	23.6
12×2×0.5	16/0.20	17.9	19.9	18.8	18.7	19.1
12×2×0.75	24/0.20	20.9	23.5	23.1	20.7	22.3
12×2×1.0	32/0.20	22.6	24.3	23.6	22.4	23.5
12×2×1.5	30/0.25	25.9	27.7	24.6	25.8	25.3
14×2×0.5	16/0.20	19.5	20.8	19.8	19.7	20.0
14×2×0.75	24/0.20	23.0	24.6	24.0	21.7	22.2
14×2×1.0	32/0.20	24.8	26.3	25.1	23.0	24.8
14×2×1.5	30/0.25	27.8	30.4	29.1	24.5	26.2

表 3

规格	导体结构 根数/线径 mm	近似外径 mm				
		DJFFP	ZR-DJFVP ₂	ZR-DJFV ₂₂	ZR-DJFVFP ₂	DJHCFPGZ
1×2×0.5	1/0.80	5.0			6.2	6.6
1×2×0.75	1/0.98	5.5			6.6	6.8
1×2×1.0	1/1.13	5.7			6.8	7.6
1×2×1.5	1/1.38	7.1			7.2	8.7
2×2×0.5	1/0.80	8.7	10.2	13.1	9.5	9.8
2×2×0.75	1/0.98	9.8	10.8	13.4	10.1	10.3
2×2×1.0	1/1.13	10.1	11.6	14.2	11.0	11.3
2×2×1.5	1/1.38	11.1	12.3	14.9	12.0	12.6
3×2×0.5	1/0.80	8.8	10.4	12.3	9.8	10.0
3×2×0.75	1/0.98	9.9	11.3	12.9	10.6	10.8
3×2×1.0	1/1.13	10.3	11.9	13.8	11.5	11.8
3×2×1.5	1/1.38	12.2	13.2	14.1	12.2	12.9
5×2×0.5	1/0.80	10.8	11.5	13.7	10.6	13.4
5×2×0.75	1/0.98	11.5	12.5	14.1	12.3	13.8
5×2×1.0	1/1.13	12.1	14.2	16.0	14.0	14.0
5×2×1.5	1/1.38	15.5	17.2	19.8	16.0	15.3
7×2×0.5	1/0.80	11.4	13.5	15.4	12.9	13.6
7×2×0.75	1/0.98	12.8	15.0	17.0	13.6	14.0
7×2×1.0	1/1.13	14.6	15.4	18.5	15.4	16.2
7×2×1.5	1/1.38	16.4	18.8	31.0	17.5	17.6
8×2×0.5	1/0.80	13.6	15.3	16.8	14.4	14.7
8×2×0.75	1/0.98	14.7	18.0	19.2	15.2	15.8
8×2×1.0	1/1.13	16.3	19.9	21.6	18.2	20.6
8×2×1.5	1/1.38	18.8	20.4	23.0	20.0	22.2
10×2×0.5	1/0.80	16.1	18.4	21.4	16.9	17.3
10×2×0.75	1/0.98	17.6	20.4	23.8	18.3	19.1
10×2×1.0	1/1.13	19.7	21.6	25.8	20.7	21.4
10×2×1.5	1/1.38	22.4	24.8	28.2	23.3	24.0
14×2×0.5	1/0.80	18.6	21.2	24.1	19.9	21.0
14×2×0.75	1/0.98	20.2	22.4	26.0	21.6	22.2
14×2×1.0	1/1.13	22.4	24.8	28.9	23.3	24.5
14×2×1.5	1/1.38	25.5	27.9	31.3	26.3	28.1

规格	导体结构 根数/线径 mm	近似外径 mm				
		DJFFP	ZR-DJFVP ₂	ZR-DJFV ₂₂	ZR-DJFVP ₂	DJHCFPGZ
19×2×0.5	1/0.80	20.7	23.5	26.0	21.8	22.7
19×2×0.75	1/0.98	21.5	24.9	27.7	22.6	23.4
19×2×1.0	1/1.13	23.8	26.2	29.9	24.2	25.7
19×2×1.5	1/1.38	27.9	29.7	32.6	27.5	28.3

表 4

规格	导体结构 根数/线径 mm	近似外径 mm				
		DJHCFGZP ₂	DJHCGZGZRP	DJHCGZGZP ₂	DJHCFGZP ₂₂	DJHCFGZP
1×2×0.5	16/0.20	7.4	7.9			7.9
1×2×0.75	24/0.20	8.2	8.9			8.5
1×2×1.0	32/0.20	8.4	9.3			8.7
1×2×1.5	30/0.25	9.5	10.1			9.7
2×2×0.5	16/0.20	9.6	11.7	12.0	12.0	11.9
2×2×0.75	24/0.20	13.3	13.7	13.4	14.3	13.3
2×2×1.0	32/0.20	14.1	14.7	14.0	15.2	14.5
2×2×1.5	30/0.25	16.6	18.7	19.7	16.5	16.2
3×2×0.5	16/0.20	11.49	12.1	13.1	12.3	12.7
3×2×0.75	24/0.20	13.9	14.2	15.3	15.5	16.2
3×2×1.0	32/0.20	15.6	18.4	18.8	17.8	17.3
3×2×1.5	30/0.25	17.9	18.7	19.9	18.5	18.1
5×2×0.5	16/0.20	14.0	16.2	17.4	16.5	15.1
5×2×0.75	24/0.20	18.8	18.9	19.8	19.3	18.3
5×2×1.0	32/0.20	19.4	19.5	20.1	20.3	18.9
5×2×1.5	30/0.25	21.6	22.2	23.6	22.8	21.6
7×2×0.5	16/0.20	16.9	17.2	18.8	18.5	16.9
7×2×0.75	24/0.20	20.2	21.1	21.8	20.9	20.4
7×2×1.0	32/0.20	20.6	21.8	22.6	21.4	20.9
7×2×1.5	30/0.25	21.9	25.5	26.3	24.5	21.9
8×2×0.5	16/0.20	18.4	19.4	20.1	19.8	19.4
8×2×0.75	24/0.20	22.1	23.2	22.5	21.2	22.6
8×2×1.0	32/0.20	24.5	24.8	23.9	22.7	24.0
8×2×1.5	30/0.25	26.8	27.5	25.3	23.8	25.2

规格	导体结构 根数/线径 mm	近似外径 mm				
		DJHCFGZP ₂	DJHCGZGZRP	DJHCGZGZP ₂	DJHCFGZP ₂₂	DJHCFGZP
10×2×0.5	16/0.20	22.0	23.7	25.8	24.5	22.3
10×2×0.75	24/0.20	25.4	27.1	27.9	27.4	25.6
10×2×1.0	32/0.20	26.2	29.4	30.4	29.5	26.6
10×2×1.5	30/0.25	30.4	32.1	35.8	32.7	30.8
14×2×0.5	16/0.20	24.8	26.3	28.7	26.8	25.5
14×2×0.75	24/0.20	29.3	31.1	33.6	29.8	29.5
14×2×1.0	32/0.20	31.5	33.7	34.8	32.9	31.8
14×2×1.5	30/0.25	35.3	37.4	39.1	36.5	35.7
16×2×0.5	16/0.20	26.0	28.2	29.8	29.0	26.3
16×2×0.75	24/0.20	30.1	32.5	34.7	32.1	32.7
16×2×1.0	32/0.20	32.7	34.4	37.2	36.3	34.0
16×2×1.5	30/0.25	37.8	39.2	41.3	38.4	37.1

表 5

规格	导体结构 根数/线径 mm	近似外径 mm				
		DJHCGZVP ₂	DJFVP ₂₂	DJHCGZGP ₂	DJHCGZVP ₂₂	DJHCGZVP
1×2×0.5	1/0.80	7.0				7.6
1×2×0.75	1/0.98	7.9				8.1
1×2×1.0	1/1.13	8.1				8.2
1×2×1.5	1/1.38	9.0				9.3
2×2×0.5	1/0.80	9.4	13.5	13.1	13.5	11.5
2×2×0.75	1/0.98	13.8	16.6	14.8	14.5	13.2
2×2×1.0	1/1.13	14.8	17.8	15.2	15.1	13.8
2×2×1.5	1/1.38	16.2	19.0	16.8	15.8	14.2
3×2×0.5	1/0.80	12.3	15.1	14.3	14.0	12.0
3×2×0.75	1/0.98	13.9	17.0	16.2	16.4	15.1
3×2×1.0	1/1.13	14.6	17.6	17.0	17.1	16.0
3×2×1.5	1/1.38	17.8	20.3	18.8	18.0	17.2
5×2×0.5	1/0.80	14.5	17.5	15.9	15.0	14.9
5×2×0.75	1/0.98	17.2	19.5	18.1	17.5	16.2
5×2×1.0	1/1.13	18.3	21.9	19.8	18.3	17.6
5×2×1.5	1/1.38	20.6	24.2	22.3	21.7	19.8
7×2×0.5	1/0.80	16.3	18.7	16.2	16.0	15.1
7×2×0.75	1/0.98	19.6	21.7	18.3	17.8	16.3
7×2×1.0	1/1.13	20.2	23.8	21.6	20.2	19.1
7×2×1.5	1/1.38	24.6	25.8	24.2	23.5	22.6
8×2×0.5	1/0.80	17.8	20.9	19.1	18.8	17.9
8×2×0.75	1/0.98	21.5	23.3	21.7	22.6	21.8
8×2×1.0	1/1.13	22.7	25.3	23.5	22.7	22.5
8×2×1.5	1/1.38	24.8	27.8	24.4	23.8	23.6
10×2×0.5	1/0.80	20.3	23.5	22.6	22.0	20.3
10×2×0.75	1/0.98	24.7	27.6	26.6	26.0	23.7
10×2×1.0	1/1.13	25.1	28.2	27.3	26.4	24.8
10×2×1.5	1/1.38	28.4	32.1	31.4	30.2	28.9
12×2×0.5	1/0.80	22.3	24.9	22.9	22.4	22.1
12×2×0.75	1/0.98	25.8	28.7	27.9	26.8	24.1
12×2×1.0	1/1.13	26.8	29.8	28.8	27.3	26.7
12×2×1.5	1/1.38	30.1	33.5	33.0	32.1	30.1
16×2×0.5	1/0.80	24.5	27.7	27.0	26.0	24.5
16×2×0.75	1/0.98	30.3	33.9	33.2	30.4	30.2
16×2×1.0	1/1.13	32.1	35.8	35.5	31.8	31.0
16×2×1.5	1/1.38	34.3	37.6	36.8	33.8	32.6