

氟塑料绝缘电子计算机用电缆

Fluoroplasticsinsulated computer cable

产品用途

本部分适用于电子计算机系统、监控回路、自动化控制系统的信号传输及检测仪器、仪表连接用额定电压300/500V及以下聚全氟乙丙烯绝缘计算机电缆。

使用特性

- 1、电缆的额定工作电压为交流300/500V。
- 2、电缆导体长期最高允许工作温度为200℃；电缆敷设时环境温度聚氯乙烯护套应不低于0℃，氟塑料与硅橡胶护套应不低于-15℃。
- 3、电缆允许弯曲半径：
无铠装或编织屏蔽结构的电缆，应不小于电缆外径的6倍；
有铠装或铜带屏蔽结构电缆，应不小于电缆外径的12倍；
有屏蔽层结构软电缆，应不小于电缆外径的6倍。

Application

This product applies for FEP insulated computer cable with rated voltage up to and including 300/500V, used for signal transmission in computer system, monitoring circuit, automatic control system, and connection with testing equipments and instruments.

Service property

1. The rated voltage U_0/U of the cable should be 300/500V;
2. Maximum long-term allowed operating temperature of cable conductor should be 200℃; Cable laying ambient temperature of PVC sheath should be 0℃; of fluorine plastic and silicone rubber sheath should be not less than -15℃.
3. Allowed bending radius of non armored or braided shielded cable should be not less than 6 times outer diameter of the cable, of armored or copper tape shielded cable should be not less than 12 times outer diameter of the cable; of shielded flexible cable should be not less than 6 times outer diameter of the cable.

基本型号及名称 Type and description

型号 Type	电缆名称 Description
DJFPF	聚全氟乙丙烯绝缘及护套铜丝编织分屏蔽电子计算机用电缆 F46 insulated and sheathed copper wire braided individual shielded computer cable
DJFP2F	聚全氟乙丙烯绝缘及护套铜塑复合带绕包分屏蔽电子计算机用电缆 F46 insulated and sheathed copper plastics composite tape individual shielded computer cable
DJFP3F	聚全氟乙丙烯绝缘及护套铝塑复合带绕包分屏蔽电子计算机用电缆 F46 insulated and sheathed aluminumplastics composite tape individual shielded computer cable
DJFPFP	聚全氟乙丙烯绝缘及护套铜丝编织分屏蔽总屏蔽电子计算机用电缆 F46 insulated and sheathed copper wire braided individual and overall shielded computer cable
DJFP2FP2	聚全氟乙丙烯绝缘及护套铜塑复合带绕包分屏蔽总屏蔽电子计算机用电缆 F46 insulated and sheathed copper plastics composite tape individual and overall shielded computer cable
DJFP3FP3	聚全氟乙丙烯绝缘及护套铝塑复合带绕包分屏蔽总屏蔽电子计算机用电缆 F46 insulated and sheathed aluminumplastics composite tape individual and overall shielded computer cable
DJFFP	聚全氟乙丙烯绝缘及护套铜丝编织总屏蔽电子计算机用电缆 F46 insulated and sheathed copper wire braided overall shielded computer cable
DJFFP2	聚全氟乙丙烯绝缘及护套铜带绕包总屏蔽电子计算机用电缆 F46 insulated and sheathed copper tape overall shielded computer cable
N-DJFPFP	聚全氟乙丙烯绝缘及护套铜丝编织分屏蔽及总屏蔽耐火电子计算机用电缆 F46 insulated and sheathed individual and overall shielded fire resistant computer cable

续上表Continued

型号 Type	电缆名称 Description
DJFPG	聚全氟乙丙烯绝缘硅橡胶护套铝塑复合屏蔽分屏蔽电子计算机用电缆 F46 insulated silicon rubber sheathed individual shielded computer cable
DJFP2G	聚全氟乙丙烯绝缘硅橡胶护套铜带屏蔽分屏蔽电子计算机用电缆 F46 insulated silicon rubber sheathed copper plastics composite tape individual shielded computer cable
DJFP3G	聚全氟乙丙烯绝缘硅橡胶护套铝塑复合屏蔽分屏蔽电子计算机用电缆 F46 insulated silicon rubber sheathed aluminumplastics composite tape individual and overall shielded computer cable
DJFPQP	聚全氟乙丙烯绝缘硅橡胶护套铜带屏蔽分屏蔽及总屏蔽电子计算机用电缆 F46 insulated silicon rubber sheathed copper wire braided individual and overall shielded computer cable
DJFP2GP2	聚全氟乙丙烯绝缘硅橡胶护套铜带屏蔽分屏蔽及总屏蔽电子计算机用电缆 F46 insulated silicon rubber sheathed copper tape individual and overall shielded computer cable
DJFP3GP3	聚全氟乙丙烯绝缘硅橡胶护套铝塑复合屏蔽分屏蔽及总屏蔽电子计算机用电缆 F46 insulated silicon rubber sheathed aluminumplastics composite tape individual and overall shielded computer cable
DJFGP24	聚全氟乙丙烯绝缘硅橡胶护套铝塑复合屏蔽铜带铠装电子计算机用电缆 F46 insulated silicon rubber sheathed copper wire braided overall shielded steel tape armored computer cable
ia-DJFGP2	聚全氟乙丙烯绝缘聚氟乙烯护套铜带铠装总屏蔽耐火电子计算机用电缆 F46 insulated PVC sheathed copper wire braided overall shielded fire resistant computer cable
DJFPV	聚全氟乙丙烯绝缘硅橡胶护套铜带屏蔽分屏蔽本安电子计算机用电缆 F46 insulated silicon rubber sheathed copper tape wrapped overall shielded intrinsically safe computer cable
DJFPVP	聚全氟乙丙烯绝缘聚氟乙烯护套铜带铠装分屏蔽电子计算机用电缆 F46 insulated PVC sheathed copper wire braided individual shielded computer cable
N-DJFPV	聚全氟乙丙烯绝缘聚氟乙烯护套铜带铠装分屏蔽及总屏蔽电子计算机用电缆 F46 insulated PVC sheathed copper wire braided individual and overall shielded computer cable

注：表中未列型号按下面的型号说明组成。
Note: The type not listed in the table should be comprised according to following type explanation.

代号名称和含义 Code and meaning

项目 Item	代号 Code	说明 Description
系列代号 Series coding	DJ	电子计算机电缆 Computer cable
	ia	本质安全型 Intrinsically safe
导体 Conductor	—	第1种或第2种铜导体 Class 1 and 2 copper conductor
	H	第5种铜导体 Class 5 copper conductor
	L	铝导体 Aluminum conductor
	F	氟塑料绝缘 Fluoroplastic insulation
护套或内护套 Sheath or inner sheath	V	聚氯乙烯护套 PVC sheath
	E	聚乙烯护套 polyolefin sheath
	F	氟塑料护套 Fluoroplastic sheath
	G	硅橡胶护套 Silicon rubber sheath

续上表Continued

项目 Item	代号 Code	说明 Description
屏蔽 Shield	P	铜丝编织屏蔽 Copper wire braided shield
	P2	铜带绕包屏蔽 Copper tape wrapped shield
	P3	铝塑复合带绕包屏蔽 Aluminum/plastic composite film wrapped shielded
铠装 Armor	2	钢带铠装 Steel tape armor
	3	镀锌钢丝铠装 Galvanized steel wire braided armor
外护套 Outer sheath	9	聚氯乙烯护套 PVC
	2	聚乙烯护套 PE/polyolefin
	3	聚乙烯护套 PE/polyolefin
	4	热固性外护套 thermosetting
燃烧特性 Burning characteristic	Z(A/B/C)	阻燃(A/B/C)级 Flame retardant grade (A/B/C)
	N	耐火 Fire resistant
	WDZ	无卤低烟阻燃 Low smoke/halogen free flame retardant
	WDZN	无卤低烟阻燃耐火 Low smoke/halogen free flame retardant fire resistant

主要技术指标

- 20°C时导体直流电阻符合GB/T3956规定
- 20°C时绝缘电阻不小于500MΩ·km
- 成品电缆经受交流1.0kV/1min电压试验不击穿

Main technical index

- Conductor d.c. resistance at 20 °C complies with stipulations of GB/T 3956;
- Insulation resistance at 20°C should be not less than 3000MΩ·km.
- Cable withstand 1.0kV for 1 minutes without puncture.

基本电缆规格和结构参数 Cable specification and structural parameter

电缆型号 Cable type	标称截面mm ² Nominal cross section area	成缆元件构成 Cabling element		
		对绞组 Twisted unit	三绞组 Triad unit	四绞组 Quad unit
无铠装 Non-armored	0.5, 0.75, 1.0, 1.5, 2.5	1~3*7	1~1*9	—
有铠装 Armored	0.5, 0.75, 1.0, 1.5, 2.5	4~1*9	4~1*9	—