

# 计算机用（屏蔽）电缆 Computer(Shielded)Cable

本产品适用于电子计算机网络及控制系统，抗干扰性能要求较高的检测装置和仪器仪表的连接。

## 生产执行标准

采用企业标准及参照英国标准BS5308。

It is used as connection cable of inspection devices and instruments with high demand on interference-resistant performance in computer network and control system.

## Executive Standard:

as the enterprise's standard with reference Bs5308 standard

## 使用特性

- 额定电压 $U_0/U$ 为300/500V；电缆导体的长期工作温度：聚氯乙烯有70℃、105℃两种；聚乙烯绝缘为70℃；交联聚乙烯绝缘为90℃（绝缘交联类型可分为硅烷交联和辐照交联）。
- 电缆可在环境温度-40℃~50℃的条件下作固定敷设使用，敷设时环境温度应不低于0℃。
- 铜带屏蔽结构的电缆，敷设时的弯曲半径应不小于电缆外径的10倍；有铠装的电缆敷设时弯曲半径应不小于电缆外径的12倍；其它电缆敷设时弯曲半径不小于电缆外径的6倍。

## Working Conditions:

- Rated Voltage  $U_0/U$ :300/500V;Long-term Working Temperature:70℃ & 105℃ for PVC 70℃ for PE insulation 90℃ for XLPE insulation(XLPE insulation includes silane XLPE & irradiation XLPE insulation).
- The cable is fixedly laid in the environment with temperature of -40℃ ~50℃, and environment temperature for Installation should be no lower than 0℃.
- Bending radius in installation should be no less than 10 times that of cable outer diameter for the cable with Cu tape shielding structure, no less than 12 times for armored cable, and no less than 6 time for other calbe.

## 型号、结构特征 Type & Structural Characters:

型号 Type			结构特征 Structural Characters
铜芯聚氯乙烯绝缘护套 Cu core, PVC insulation & sheath	铜芯聚乙烯绝缘聚氯乙烯护套 Cu core,PE insulation & PVC sheath	铜芯交联聚乙烯绝缘聚氯乙烯护套 Cu core, XLPE insulation & PVC sheath	
DJVPV	DJYPV	DJYJPV	编织分对屏蔽（铜丝或镀锡铜丝） Separate Pair Braided Shielding(Cu wire or tinned Cu wire)
DJVP <sub>2</sub> V	DJYP <sub>2</sub> V	DJYJP <sub>2</sub> V	铜带分对屏蔽 Separate Pair Cu Tape Shielding
DJVP <sub>3</sub> V	DJYP <sub>3</sub> V	DJYJP <sub>3</sub> V	铝塑复合带分对屏蔽 Pair AL/Plastics Tape Shielding
DJVVP	DJYVP	DJYJVP	编织总屏蔽（铜丝或镀锡铜丝） General Braided Shielding(Cu wire or tinned Cu wire)
DJVVP <sub>2</sub>	DJYVP <sub>2</sub>	DJYJVP <sub>2</sub>	铜带总屏蔽 General Cu Tape Shielding
DJVVP <sub>3</sub>	DJYVP <sub>3</sub>	DJYJVP <sub>3</sub>	铝塑复合带总屏蔽 General AL/Plastics Tape Shielding
DJVPVP	DJYPVP	DJYJPVP	编织分、总屏蔽（铜丝或镀锡铜丝） Separate & General Braided Shieldings(Cu wire or tinned Cu wire)
DJVP <sub>2</sub> VP <sub>2</sub>	DJYP <sub>2</sub> VP <sub>2</sub>	DJYJP <sub>2</sub> VP <sub>2</sub>	铜带分、总屏蔽 Separate & General Cu Tape Shieldings
DJVP <sub>3</sub> VP <sub>3</sub>	DJYP <sub>3</sub> VP <sub>3</sub>	DJYJP <sub>3</sub> VP <sub>3</sub>	铝塑复合带分、总屏蔽 Separate & General AL/Plastics Tape Shieldings
DJVP <sub>2</sub> V22	DJYP <sub>2</sub> V22	DJYJP <sub>2</sub> V22	铜带分屏蔽、铠装 Separate Cu Tape Shielding, Armored
DJVP <sub>3</sub> V22	DJYP <sub>3</sub> V22	DJYJP <sub>3</sub> V22	铝塑复合带分屏蔽、铠装 Separate AL/Plastics Tape Shielding, Armored
DJVVP <sub>2-22</sub>	DJYVP <sub>2-22</sub>	DJYJVP <sub>2-22</sub>	铜带总屏蔽、铠装 General Cu Tape Shielding, Armored
DJVVP <sub>3-22</sub>	DJYVP <sub>3-22</sub>	DJYJVP <sub>3-22</sub>	铝塑复合带总屏蔽、铠装 General AL/Plastics Tape Shielding, Armored
DJVP <sub>2</sub> VP <sub>2-22</sub>	DJYP <sub>2</sub> VP <sub>2-22</sub>	DJYJP <sub>2</sub> VP <sub>2-22</sub>	铜带分、总屏蔽、铠装 Separate & General Cu Tape Shielding, Armored
DJVP <sub>3</sub> VP <sub>3-22</sub>	DJYP <sub>3</sub> VP <sub>3-22</sub>	DJYJP <sub>3</sub> VP <sub>3-22</sub>	铝塑复合带分、总屏蔽、铠装 Separate & General AL/ plastics Tape Shieldings, Armored
DJVPVR	DJYPVR	DJYJPVR	编织分对屏蔽软结构 Pair Braided Shielding, Soft Structure
DJVP <sub>2</sub> VR	DJYP <sub>2</sub> VR	DJYJP <sub>2</sub> VR	铜带分对屏蔽软结构 Pair Cu Tape Shielding, Soft Structure
DJVPVPR	DJYPVPR	DJYJPVPR	编织分、总屏蔽软结构 Separate & General Braided Shieldings, Soft Structure
DJVP <sub>2</sub> VP <sub>2</sub> R	DJYP <sub>2</sub> VP <sub>2</sub> R	DJYJP <sub>2</sub> VP <sub>2</sub> R	铜带分、总屏蔽软结构 Separate & General Cu Tape Shieldings, Soft Structure

## 规格范围 Specification Range

型号 Type				对数 Pair(s)	标称截面 (mm <sup>2</sup> ) Nominal Cross-section Area
DJVPV	DJVPV	DJYJPV	DJVP <sub>2</sub> V	1~24	0.5, 0.75, 1.0, 1.5, 2.5
DJYP <sub>2</sub> V	DJYJP <sub>2</sub> V	DJVP <sub>3</sub> V	DJYP <sub>3</sub> V		
DJYJP <sub>3</sub> V	DJVVP	DJYVP	DJYJVP		
DJVVP <sub>2</sub>	DJYVP <sub>2</sub>	DJYJVP <sub>2</sub>	DJVVP <sub>3</sub>		
DJYVP <sub>3</sub>	DJYJVP <sub>3</sub>	DJYPVP	DJYPVP		
DJYJPVP	DJVP <sub>2</sub> VP <sub>2</sub>	DJVP <sub>2</sub> VP <sub>2</sub>	DJYJP <sub>2</sub> VP <sub>2</sub>		
DJVP <sub>3</sub> VP <sub>3</sub>	DJVP <sub>3</sub> VP <sub>3</sub>	DJYJP <sub>3</sub> VP <sub>3</sub>	DJVP <sub>2</sub> VR		
DJVPVR	DJYPVR	DJYJPVR	DJYPVR		
DJYP <sub>2</sub> VR	DJYJP <sub>2</sub> VR	DJVPVPR	DJYJPVPR		
DJYJPVPR	DJVP <sub>2</sub> VP <sub>2</sub> R	DJYP <sub>2</sub> VP <sub>2</sub> R	DJYJP <sub>2</sub> VP <sub>2</sub> R		
DJVP <sub>2</sub> V22	DJYP <sub>2</sub> V22	DJYJP <sub>2</sub> V22		2~24	
DJVP <sub>3</sub> V22	DJYP <sub>3</sub> V22	DJYJP <sub>3</sub> V22			
DJVVP <sub>2-22</sub>	DJYVP <sub>2-22</sub>	DJYJVP <sub>2-22</sub>			
DJVVP <sub>3-22</sub>	DJYVP <sub>3-22</sub>	DJYJVP <sub>3-22</sub>			
DJVP <sub>2</sub> VP <sub>2-22</sub>	DJYP <sub>2</sub> VP <sub>2-22</sub>	DJYJP <sub>2</sub> VP <sub>2-22</sub>			
DJVP <sub>3</sub> VP <sub>3-22</sub>	DJYP <sub>3</sub> VP <sub>3-22</sub>	DJYJP <sub>3</sub> VP <sub>3-22</sub>			

注：根据需要还可以生产阻燃计算机用电线，只需在型号前加“ZR”即可。如：ZR-DJYPVP。

Remarks:  
We also produce flame-retardant computer cable as user's demand. Prefix "XR" should be added for example: ZR-DJYPVP.

## 技术参数 Technical Parameters:

### 1、导体直流电阻及导体结构 D.C.Conductor Resistance & Conductor Structure

标称截面 (mm <sup>2</sup> ) Nominal Cross-section Area	导体结构 (根数/单丝直径mm) Conductor Structure(Pieces/Diameter mm)			20℃直流电阻 ≤ (ΩKm) D.C.Resistance at 20℃ ≤ (ΩKm)	
	A类	B类	R类	A、B类	R类
0.5	1/0.8	7/0.3	16/0.2	36.0	39.0
0.75	1/0.97	7/0.37	24/0.2	24.5	26.0
1.0	1/1.13	7/0.43	32/0.2	18.1	19.5
1.5	1/1.38	7/0.52	30/0.25	12.1	13.3
2.5	1/1.78	7/0.68	49/0.25	7.41	7.98

说明：计算机电缆的导体结构一般采用A类或R类制造，如有用户需要B类导体结构的产品，订货时请在合同中注明。

Remarks: Generally, we produce computer cable with A or R structure, the cable with B structure should be indicated in contract.

### 2绝缘电阻：聚氯乙烯绝缘电阻 Insulation Resistance:PVC insulation & sheath

70℃、90℃ 最小绝缘电阻 (MΩ.km) Min.Insulation Resistance at 70℃、90℃ (MΩ.km)	导体标称截面 Nominal Cross-section Area of Conductor(mm <sup>2</sup> )				
	0.5	0.75	1.0	1.5	2.5
	0.013	0.014	0.013	0.010	0.010

注：聚乙烯、交联聚乙烯绝缘的电缆的芯间及线芯对屏蔽间的绝缘电阻，在温度为20℃时，应不小于500MΩ.km。

Remarks: Insulation resistance between cores and between pair shielding of the cable with PE or XLPE insulation at 20℃ should be no less than 500 MΩ.km.

3、电缆应经受工频交流电压试验；试验电压：2000V，试验时间为5min，试验温度为环境温度。

The cable should pass A.C.2000V voltage test under working frequency and ambient temperature for 5 minutes.