# 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。

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

生产执行标准
采用企业标准及参照英国标准BS5308。

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 |
|---|---|---|---|
| 铜芯聚氯乙烯绝缘聚氯乙烯护套 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) |
| $DJVP_2V$ | $DJYP_2V$ | $DJYJP_2V$ | 铜带分对屏蔽 Separate Pair Cu Tape Shielding |
| $DJVP_3V$ | $DJYP_3V$ | $DJYJP_3V$ | 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) |
| $DJVVP_2$ | $DJYVP_2$ | $DJYJVP_2$ | 铜带总屏蔽 General Cu Tape Shielding |
| $DJVVP_3$ | $DJYVP_3$ | $DJYJVP_3$ | 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) |
| $DJVP_2VP_2$ | $DJYP_2VP_2$ | $DJYJP_2VP_2$ | 铜带分、总屏蔽 Separate & General Cu Tape Shieldings |
| $DJVP_3VP_3$ | $DJYP_3VP_3$ | $DJYJP_3VP_3$ | 铝塑复合带分、总屏蔽Separate & General AL/Plastics Tape Shieldings |
| $DJVP_2V22$ | $DJYP_2V22$ | $DJYJP_2V22$ | 铜带分屏蔽、铠装 Separate Cu Tape Shielding, Armored |
| $DJVP_3V22$ | $DJYP_3V22$ | $DJYJP_3V22$ | 铝塑复合带分屏蔽、铠装Separate AL/Plastics Tape Shielding,Armored |
| $DJVVP_{2-22}$ | $DJYVP_{2-22}$ | $DJYJVP_{2-22}$ | 铜带总屏蔽、铠装 General Cu Tape Shielding,Armored |
| $DJVVP_{3-22}$ | $DJYVP_{3-22}$ | $DJYJVP_{3-22}$ | 铝塑复合带总屏蔽、铠装General AL/Plastics Tape Shielding,Armored |
| $DJVP_2VP_{2-22}$ | $DJYP_2VP_{2-22}$ | $DJYJP_2VP_{2-22}$ | 铜带分、总屏蔽，铠装Separate & General Cu Tape Shielding,Armored |
| $DJVP_3VP_{3-22}$ | $DJYP_3VP_{3-22}$ | $DJYJP_3VP_{3-22}$ | 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 |
| $DJVP_2VR$ | $DJYP_2VR$ | $DJYJP_2VR$ | 铜织分对屏蔽软结构 Pair Cu Tape Shielding, Soft Structure |
| DJVPVPR | DJYPVPR | DJYJPVPR | 编织分、总屏蔽软结构Separate & General Braided Shieldings, Soft Structure |
| $DJVP_2VP_2R$ | $DJYP_2VP_2R$ | $DJYJP_2VP_2R$ | 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（$mm^2$） Nominal Cross-section Area |
|---|---|---|---|---|---|
| DJVPV<br>DJYP$_2$V<br>DJYJP$_3$V<br>DJVVP$_2$<br>DJYVP$_3$<br>DJYJPVP<br>DJVP$_3$VP$_3$<br>DJVPVR<br>DJYP$_2$VR<br>DJYJPVPR | DJVPV<br>DJYJP$_2$V<br>DJVVP<br>DJYVP$_2$<br>DJYJVP$_3$<br>DJVP$_2$VP$_2$<br>DJVP$_3$VP$_3$<br>DJYPVR<br>DJYJP$_2$VR<br>DJVP$_2$VP$_2$R | DJYJPV<br>DJVP$_3$V<br>DJYVP<br>DJYJVP$_2$<br>DJYPVP<br>DJVP$_2$VP$_2$<br>DJYJP$_3$VP$_3$<br>DJYJPVR<br>DJVPVPR<br>DJYP$_2$VP$_2$R | DJVP$_2$V<br>DJYP$_3$V<br>DJYJVP<br>DJVVP$_3$<br>DJYPVP<br>DJYJP$_2$VP$_2$<br>DJVP$_2$VR<br>DJYPVPR<br>DJYJP$_2$VP$_2$R | 1～24 | 0.5, 0.75, 1.0, 1.5, 2.5 |
| DJVP$_2$V22<br>DJVP$_3$V22<br>DJVVP$_{2-22}$<br>DJVVP$_{3-22}$<br>DJVP$_2$VP$_{2-22}$<br>DJVP$_3$VP$_{3-22}$ | DJYP$_2$V22<br>DJYP$_3$V22<br>DJYVP$_{2-22}$<br>DJYVP$_{3-22}$<br>DJYP$_2$VP$_{2-22}$<br>DJYP$_3$VP$_{3-22}$ | DJYJP$_2$V22<br>DJYJP$_3$V22<br>DJYJVP$_{2-22}$<br>DJYJVP$_{3-22}$<br>DJYJP$_2$VP$_{2-22}$<br>DJYJP$_3$VP$_{3-22}$ | | 2～24 | |

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

Remarks:
We also produce flame-reatardant 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（$mm_2$） 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≤（Ω/Km） D.C.Resistance at20℃≤（Ω/Km） | |
|---|---|---|---|---|---|
| | 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 | 1/097 | 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 Aor 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 at70℃、90℃（MΩ.km） | 导体标称截面 Nominal Cross-section Area of Conductor($mm^2$) | | | | |
|---|---|---|---|---|---|
| | 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 M W.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.