

计算机与仪表屏蔽电缆

Computer and Instrument shielding Cable



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本产品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、仪表连接用连接线。

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

一、生产执行标准

TICW6-2009、JB/T 13486-2018及企业标准。

Executive standard

TICW6-2009、JB/T 13486-2018 and Enterprise Standard.

二、使用特性

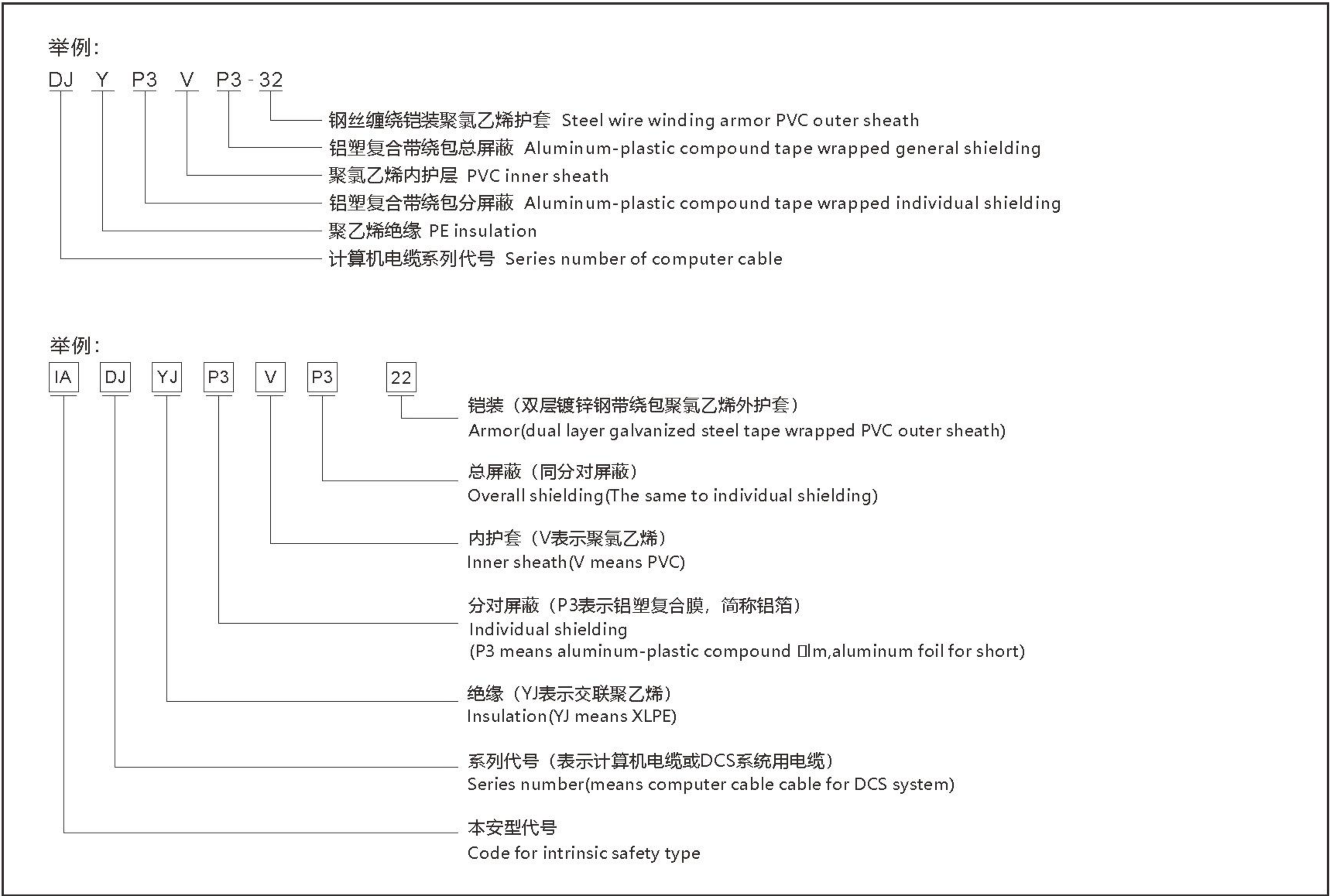
- 1、工作电压：交流50HZ， u_0/u ：300/500V；
- 2、正常运行时，导体长期允许最高工作温度：聚氯乙烯绝缘电缆分+70℃、+105℃两种；聚乙烯绝缘电缆为+70℃；无卤低烟聚烯烃绝缘电缆为+70℃；交联聚乙烯绝缘为+90℃；硅橡胶绝缘电缆+180℃；氟塑料绝缘电缆+200℃；
- 3、安装敷设时环境温度：不低于0℃；
- 4、电缆允许最小弯曲半径：金属带绕包屏蔽或钢丝、钢带铠装电缆不小于电缆外径的12倍；非铠装软电缆或编织屏蔽电缆不小于电缆外径的8倍。

Operational performance

- 1.Working voltage: AC 50HZ u_0/u : 300/500V.
- 2.Maximum long-term working temperature of conductor as following:
PVC insulation: +70℃、+105℃.
PE insulation: +70℃. LSZH insulation: +70℃.
XLPE insulation: +90℃.
Silicone rubber insulation: +180℃.
Fluoroplastic insulation: +200℃.
- 3.Installation temperature: above 0℃.
- 4.Allowed Min. bending radius: no less than 12 times OD of cable with metal tape wrapped shielding or steel wire/tape armored, no less than 8 times that of cable OD for non-armored flexible cable or braided shielding cable.

三、型号名称及含义

Type, Description and Definition



说明:

绝缘或护套材料:
F—氟塑料绝缘或护套
G—硅橡胶绝缘或护套
Y—聚乙烯或聚烯烃绝缘或护套
V—聚氯乙烯绝缘或护套
YJ—交联聚乙烯绝缘。
阻燃性能分:
ZA/ZRA—A类阻燃 (A类阻燃性能最佳)
ZB/ZRB—B类阻燃
ZC/ZRC、ZR—C类阻燃
NH—耐火型。
铠装结构:
22—钢带铠装聚氯乙烯外护套
23—钢带铠装聚乙烯外护套
32—圆形镀锌低碳钢丝缠绕铠装聚氯乙烯外护套
33—圆形镀锌低碳钢丝缠绕铠装聚乙烯外护套
屏蔽材料:
P—铜线编织
P1—镀锡铜线编织
P2/P4-铜塑复合带绕包 (若采用铜带, 请备注说明)
P3—铝塑复合带绕包
导体种类:
1 (A) ——单根导体 (型号中省略)
2 (B) ——七根绞合导体 (在规格后面加 “B” 表示)
R——多根绞合导体
注: A (特定要求时, 电缆型号或规格中表示单根导体)
B (特定要求时, 电缆型号或规格中表示2类绞合导体)
R (电缆型号或规格中R表示5类绞合软导体)
Note:A(For specific requirements,the cable type or specification indicates single conductor)
B(For specific requirements,the cable type or specification indicates category 2 conductor)
R(For specific requirements,the cable type or specification indicates category 5 conductor))

备注:

- ①阻燃电缆、无卤低烟阻燃电缆、耐火电缆及其组合型电缆的名称和型号应按GB/T 19666的规定在上述型号的基础上编制。
- ②比如阻燃型电缆, 在原型号前加 “Z-”、“ZA-”、“ZB-”、“ZC” “ZD-” ,无卤低烟阻燃型的, 在原型号前加 “WDZ-”、“WDZA-”、“WDZB-”、“WDZC” “WDZD-” ,无卤低烟低毒阻燃型的, 在原型号前加 “WDUZ-”、“WDUZA-”、“WDUZB-”、“WDUZC” “WDUZD-” 。
- ③耐火型电缆, 在原型号前加 “N-”、“ZAN-”、“ZBN-”、“ZCN” “ZDN-” ,无卤低烟阻燃耐火电缆, 在原型号前加 “WDZN-”、“WDZAN-”、“WDZBN-”、“WDZCN” “WDZDN-” ,无卤低烟低毒阻燃型耐火电缆, 在原型号前加 “WDUZN-”、“WDUZAN-”、“WDUZBN-”、“WDUZCN” “WDUZDN-” 。
- ④低烟低卤阻燃电缆, 在原型号前加 “DDZ-”、“DDZA-”、“DDZB-”、“DDZC” “DDZD-” 。
- ⑤防紫外线电缆, 在原型号前加 “FZ-” 。
- ⑥防蚁电缆, 在原型号前加 “FY-” 。
- ⑦耐寒电缆, 在原型号前加 “HD-” 。
- ⑧本安型电缆, 在原型号前加 “IA-” 。

Note:

- ①The names and models of flame retardant cables, halogen-free low smoke flame retardant cables, fire resistant cables and their combined type cables shall be compiled on the basis of the above models according to the provisions of GB/T 19666
- ②For flame-retardant cable type, add "Z-", "ZA-", "ZB-", "ZC" and "ZD-" before the original model;For halogen-free low-smoke flame retardant type, add "WDZ-", "WDZA-", "WDZB-", "WDZC" and "WDZD-" before the original model;For halogen-free, low smoke, low toxicity and flame retardant type, add "WDUZ-", "WDUZA-", "WDUZB-", "WDUZC" and "WDUZD-" before the original model.
- ③For fire-resistant cable type , add "-","ZAN-","ZBN-","ZCN","ZDN-" before the original model;
Halogen-free low smoke flame retardant fire-resistant cable, add "WDZN-","WDZAN-","WDZBN-","WDZCN" and "WDZDN-" before the original model;
Halogen-free low-smoke low-toxicity flame-retardant fire-resistant cable, "WDUZN-","WDUZAN-","WDUZBN-","WDUZCN" and "WDUZDN-" are added before the original model.
- ④For Low smoke and low halogen flame retardant cable type, add "DDZ-","DDZA-","DDZB-","DDZC" and "DDZD-" before the original model.
- ⑤For Anti-ultraviolet cable,add "FZ-" before the original model.
- ⑥For Anti-Ant cable,add "FY-" before the original model.
- ⑦For Cold-resisitant cable,add "HD-" before the original model.
- ⑧For Intrinsic safety cable,add "IA-" before the original model.

Explanation:

Insulation or sheath material:
F means fluoroplastic insulation or sheath
G means silicone rubber insulation or sheath
Y means PE or polyolefin insulation or sheath
V means PVC insulation or sheath
YJ means XLPE insulation
Flame retardant performance category:
ZRA: category A (the best)
ZRB: category B
ZRC & ZR: category C
NH: Fire-resistant
Armor structure:
22 means steel tape armor, PVC outer sheath
23 means steel tape armor, PE outer sheath
32 means round galvanized low carbon steel wire wrapping, armor, PVC outer sheath
33 means round galvanized low carbon steel wire wrapping, armor, PE outer sheath
Shielding material:
P means copper wire braiding
P1 means tinned copper wire braiding
P2/P4-means copper-plastic compound tape wrapping (Please note ifcopper tape isused.)
P3 means aluminum-plastic compound tape wrapping
structure of conductor:
A means single conductor (omitted in type)
B means 7 stranded conductor (“B” shall be added after specification)
R means multi-stranded conductor

四、基本型号及名称

Basic Type and Description

序号 No.	型号 Type	电缆名称 Description
1	DJYVP	铜芯聚乙烯绝缘聚氯乙烯护套铜线编织总屏蔽计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper wire braided overall shielding
2	DJYVPR	铜芯聚乙烯绝缘聚氯乙烯护套铜线编织总屏蔽计算机软电缆 Computer flexible cable with Cu core, PE insulation, PVC sheath, copper wire braided overall shielding
3	DJYPV	铜芯聚乙烯绝缘聚氯乙烯护套铜线编织分屏蔽计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper wire braided individual shielding
4	DJYPVR	铜芯聚乙烯绝缘聚氯乙烯护套铜线编织分屏蔽计算机软电缆 Computer flexible cable with Cu core, PE insulation, PVC sheath, copper wire braided individual shielding
5	DJYPVP	铜芯聚乙烯绝缘聚氯乙烯护套铜线编织分屏总屏计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper wire braided overall & individual shielding
6	DJYPVPR	铜芯聚乙烯绝缘聚氯乙烯护套铜线编织分屏总屏计算机软电缆 Computer flexible cable with Cu core, PE insulation, PVC sheath, copper wire braided overall & individual shielding
7	DJYVP2	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping overall shielding
8	DJYVP2R	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽计算机软电缆 Computer flexible cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping overall shielding
9	DJYP2V	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping individual shielding
10	DJYP2VR	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽计算机软电缆 Computer flexible cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping individual shielding
11	DJYP2VP2	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏总屏计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping individual & overall shielding
12	DJYP2VP2R	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏总屏计算机软电缆 Computer flexible cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping individual & overall shielding
13	DJYVP3	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, aluminum-plastic compound tape wrapping overall shielding
14	DJYVP3R	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽计算机软电缆 Computer flexible cable with Cu core, PE insulation, PVC sheath, aluminum-plastic compound tape wrapping overall shielding
15	DJYP3V	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, aluminum-plastic compound tape wrapping individual shielding
16	DJYP3VR	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽计算机软电缆 Computer flexible cable with Cu core, PE insulation, PVC sheath, aluminum-plastic compound tape wrapping individual shielding
17	DJYP3VP3	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏总屏计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, aluminum-plastic compound tape wrapping individual & overall shielding
18	DJYP3VP3R	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏总屏计算机软电缆 Computer soft cable with Cu core, PE insulation, PVC sheath, aluminum-plastic compound tape wrapping individual & general shielding
19	DJYVP22	铜芯聚乙烯绝缘聚氯乙烯护套铜线编织总屏蔽钢带铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper wire braided overall shielding, steel tape armoring
20	DJYPV22	铜芯聚乙烯绝缘聚氯乙烯护套铜线编织分屏蔽钢带铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper wire braided individual shielding, steel tape armoring
21	DJYPVP22	铜芯聚乙烯绝缘聚氯乙烯护套铜线编织分屏总屏钢带铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper wire braided individual & overall shielding, steel tape armoring

22	DJYVP2-22	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽钢带铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping, overall shielding, steel tape armoring
23	DJYP2V22	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽钢带铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping, individual shielding, steel tape armoring
24	DJYP2VP2-22	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏总屏钢带铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping, individual & overall shielding, steel tape armoring
25	DJYVP3-22	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽钢带铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, aluminum-plastic compound tape wrapping, overall shielding, steel tape armoring
26	DJYP3V22	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽钢带铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, aluminum-plastic compound tape wrapping, individual shielding, steel tape armoring
27	DJYP3VP3-22	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏总屏钢带铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, aluminum-plastic compound tape wrapping, individual & overall shielding, steel tape armoring
28	DJYVP32	铜芯聚乙烯绝缘聚氯乙烯护套铜线编织总屏蔽钢丝铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper wire braided general shielding, steel wire armoring
29	DJYPV32	铜芯聚乙烯绝缘聚氯乙烯护套铜线编织分屏蔽钢丝铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper wire braided individual shielding, steel wire armoring
30	DJYVP32	铜芯聚乙烯绝缘聚氯乙烯护套铜线编织分屏总屏钢丝铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper wire braided individual & overall shielding, steel wire armoring
31	DJYVP2-32	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽钢丝铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping, overall shielding, steel wire armoring
32	DJYP2V32	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽钢丝铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping, individual shielding, steel wire armoring
33	DJYP2VP2-32	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏总屏钢丝铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping, overall & individual shielding, steel wire armoring
34	DJYVP3-32	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽钢丝铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, aluminum-plastic compound tape wrapping, overall shielding, steel wire armoring
35	DJYP3V32	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽钢丝铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, aluminum-plastic compound tape wrapping, individual shielding, steel wire armoring
36	DJYP3VP3-32	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏总屏钢丝铠装计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, aluminum-plastic compound tape wrapping, overall & individual shielding, steel wire armoring
37	IA-DJYVP	铜芯聚乙烯绝缘聚氯乙烯护套铜线编织分屏总屏本安型DCS电缆 Intrinsic safety type cable for DCS system with Cu core, PE insulation, PVC sheath, copper wire braided overall & individual shielding
38	IA-DJYVPR	铜芯聚乙烯绝缘聚氯乙烯护套铜线编织分屏总屏本安型DCS软电缆 Intrinsic safety type soft cable for DCS system with Cu core, PE insulation, PVC sheath, copper wire braided overall & individual shielding
39	IA-DJYP3VP3	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏总屏本安型DCS电缆 Intrinsic safety type cable for DCS system with Cu core, PE insulation, PVC sheath, aluminum-plastic compound tape wrapped overall & individual shielding
40	IA-DJYP3VP3R	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏总屏本安型DCS软电缆 Intrinsic safety type soft cable for DCS system with Cu core, PE insulation, PVC sheath, aluminum-plastic compound tape wrapped overall & individual shielding
41	IA-DJYP2VP2	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏总屏本安型DCS电缆 Intrinsic safety type cable for DCS system with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapped overall & individual shielding
42	IA-DJYP2VP2R	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏总屏本安型DCS软电缆 Intrinsic safety type soft cable for DCS system with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapped overall & individual shielding
43	IA-DJYJPVP	铜芯交联聚乙烯绝缘聚氯乙烯护套铜线编织分屏总屏本安型DCS电缆 Intrinsic safety type cable for DCS system with Cu core, XLPE insulation, PVC sheath, copper wire braided overall & individual shielding

五、规格范围

对数：1~24对。
每对芯数：二芯（称二线组）或三芯（称三线组）；
导体截面：0.5mm²、0.75mm²、1.0mm²、1.5mm²、2.5mm²。

六、主要技术参数

- 20℃导体直流电阻应符合GB/T3956标准要求；
- 20℃绝缘电阻；

性能项目 Performance project	PVC绝缘 PVC insulation	PE、XLPE绝缘 PE、XLPE insulation
20℃时绝缘电阻 Conductor DC insulation at 20℃ (MΩ.km)	≥25	≥3000

- 电缆应经受工频交流电压试验：1000V/1min绝缘不发生击穿，试验温度为环境温度。
- 工作电容（1kHz）线芯与线芯≤90PF/m（本安型）；
- 分布电感（1kHz）≤0.6μH/m（本安型）；
- 电磁干扰感应电压（干扰磁场400A/m）≤5mV（本安型）；
- 静电感应电压（静电电压20kV）<1V（本安型）；
- 辐射场透入强度（干扰场强120dBμV，干扰场频率200MHz）≤66dBμV（本安型）。

七、其他常见型号与本公司型号对照

其他型号 Other type	本厂型号 Type of our company
ia-K2YVR、ia-K3YVR、IJYPLVPLR、IJYP3VR-2	IA-DJYP3VP3R
ia-K2YV、ia-K3YV、IJYPLVPL、IJYP3V-2 ia-K2YV(EX)、ia-K3YV(EX)	IA-DJYP3VP3
KJYYVP、IA-KJVVP	IA-DJYP3VP3

八、电缆计算外径（供参考）

对数×芯数×导体标称截面 mm ² Pair number* Core number* Nominal cross-section area	导体种类 Conductor category	电缆计算外径 mm Calculated outer diameter of cable			对数×芯数×导体标称截面 mm ² Pair number* Core number* Nominal cross-section area	导体种类 Conductor category	电缆计算外径 mm Calculated outer diameter of cable		
		DJYPV DJVPV DJYJPV	DJYVP DJVVP DJYJVP	DJYPVP DJVPVP DJYJPVP			DJYPV DJVPV DJYJPV	DJYVP DJVVP DJYJVP	DJYPVP DJVPVP DJYJPVP
1×2×0.5	1	6.5	6.5	/	8×2×1.5	1	20.0	19.0	20.4
1×2×0.75		7.2	7.2	/	8×2×2.5		23.4	22.4	23.9
1×2×1.0		7.5	7.8	/	10×2×0.5		18.5	16.5	19.2
1×2×1.5		8.5	8.5	/	10×2×0.75		19.6	18.5	20.1
1×2×2.5		9.2	9.2	/	10×2×1.0		20.5	19.2	21.4
2×2×0.5		10.5	10.0	11.2	10×2×1.5		22.2	21.1	22.7
2×2×0.75		11.0	10.5	11.5	10×2×2.5		25.7	24.5	26.7
2×2×1.0		11.7	11.4	12.6	12×2×0.5		19.3	17.4	20.1
2×2×1.5		12.8	12.1	13.3	12×2×0.75		20.6	19.4	21.1
2×2×2.5		15.0	14.7	15.5	12×2×1.0		22.0	20.8	22.5
3×2×0.5		11.5	10.8	12.2	12×2×1.5		23.4	22.2	23.9
3×2×0.75		12.1	11.6	13.0	12×2×2.5		27.6	26.4	28.1
3×2×1.0		13.3	12.3	13.8	14×2×0.5		20.3	18.8	21.0

Specications range

Pair No.: 1~24 pairs.
Core No. per pair: 2 cores (equal to 2 wire group) or 3 cores (equal to 3 wire group).
Cross-sectional area of conductor:
0.5mm²,0.75mm²,1.0mm²,1.5mm²,2.5mm².

Main Technical Parameter

- Conductor DC resistance value at 20℃ shall meet the requirements of GB/T 3956 standard.
- Insulation Resistance at 20℃.

- Cable shall endure A.C. voltage test of 1000V under power frequency for 1min without puncture of insulation. And testing temperature is environment temperature.
- Working capacitance(1kHz) core to core ≤90PF/m(Intrinsic Safety Type).
- Distributing inductance(1kHz)≤0.6μH/m(Intrinsic Safety Type).
- Inductive voltage of electromagnetic interference(interference magnetic field 400A/m):≤5mV(Intrinsic Safety Type).
- Inductive voltage of electrostatic(Electrostatic voltage 20kV) <1V(Intrinsic Safety Type).
- Penetration stress of radiant field(stress of interference field is 120dBμV; frequency of interference field is 200MHz) ≤66dBμV(Intrinsic Safety Type).

Comparison between other common type and type of our company

3×2×1.5	1	14.2	13.6	14.6	14×2×0.75	1	21.5	20.3	22.0
3×2×2.5		16.5	15.8	17.0	14×2×1.0		23.0	21.8	23.5
4×2×0.5		12.8	11.6	13.5	14×2×1.5		24.5	23.3	26.5
4×2×0.75		13.5	13.0	14.0	14×2×2.5		29.5	27.7	30.0
4×2×1.0		14.4	13.9	14.9	16×2×0.5		21.8	20.0	22.5
4×2×1.5		15.3	14.7	15.8	16×2×0.75		23.1	21.6	23.6
4×2×2.5		18.5	17.4	19.0	16×2×1.0		24.7	23.2	25.2
5×2×0.5		13.6	12.0	14.3	16×2×1.5		26.3	24.8	26.8
5×2×0.75		14.4	13.6	14.9	16×2×2.5		31.5	30.2	32.2
5×2×1.0		15.4	14.6	15.9	(18)19×2×0.5		22.5	21.8	23.0
5×2×1.5		16.3	15.6	16.8	(18)19×2×0.75		25.1	23.4	25.6
5×2×2.5		19.8	19.1	20.3	(18)19×2×1.0		26.9	25.2	27.4
(6) 7×2×0.5		14.6	13.6	15.3	(18)19×2×1.5		29.2	26.9	29.7
(6) 7×2×0.75		15.5	14.5	16.0	(18)19×2×2.5		34.9	32.8	35.4
(6) 7×2×1.0		16.2	15.2	17.0	24×2×0.5		26.5	22.5	27.0
(6) 7×2×1.5		18.2	16.2	19.0	24×2×0.75		28.1	26.1	29.2
(6) 7×2×2.5		21.0	19.8	21.5	24×2×1.0		30.7	28.1	31.2
8×2×0.5		16.0	15.0	16.5	24×2×1.5		32.7	30.7	33.2
8×2×0.75		17.0	16.0	18.0	24×2×2.5		39.1	37.1	40.0
8×2×1.0		18.3	17.2	19.2	/		/	/	/

备注：

- 1、铜塑复合带屏蔽型及铝塑复合带屏蔽型的电缆外径略小于铜丝编织屏蔽型电缆外径0.5mm范围；
- 2、铜塑复合带屏蔽型电缆及铝塑复合带屏蔽型电缆的外径可以按相同设计考虑。
- 3、本样本电缆外径以聚乙烯绝缘为计算依据。

Note:1.Outer diameter of cable with copper(aluminum)-plastic compound tape shielding is smaller by 0.5mm than that with copper wire braided shielding.

2.Outer diameter of cable with copper-plastic compound tape shielding and cable with aluminum-plastic compound tape shielding can be designed with similar consideration.

3.The outer diameter of cable in this catalogue is calculated based on PE insulated cable.

对数×芯数×导体标称截面 mm ² Pair number* Core number* Nominal cross-section area	导体种类 Conductor category	电缆计算外径 mm Calculated outer diameter of cable			对数×芯数×导体标称截面 mm ² Pair number* Core number* Nominal cross-section area	导体种类 Conductor category	电缆计算外径 mm Calculated outer diameter of cable		
		DJYPVR DJVPVR DJYJPVR	DJYVPR DJVVPR DJYJVPR	DJYPVPR DJVPVPR DJYJPVPR			DJYPVR DJVPVR DJYJPVR	DJYVPR DJVVPR DJYJVPR	DJYPVPR DJVPVPR DJYJPVPR
1×2×0.5	5	7.0	7.0	/	8×2×1.5	5	21.9	21.0	22.4
1×2×0.75		7.7	7.7	/	8×2×2.5		25.4	24.5	25.9
1×2×1.0		8.2	8.2	/	10×2×0.5		19.0	17.3	19.8
1×2×1.5		9.0	9.0	/	10×2×0.75		21.3	20.1	21.8
1×2×2.5		10.2	10.2	/	10×2×1.0		22.6	21.4	23.1
2×2×0.5		11.0	10.5	11.5	10×2×1.5		24.6	23.4	25.1
2×2×0.75		11.9	11.3	12.8	10×2×2.5		29.2	27.4	29.7
2×2×1.0		13.0	12.2	13.5	12×2×0.5		20.6	18.8	21.0
2×2×1.5		14.1	13.7	14.6	12×2×0.75		22.4	21.1	22.9
2×2×2.5		16.3	15.9	16.8	12×2×1.0		23.8	22.5	24.3
3×2×0.5		12.0	11.2	12.8	12×2×1.5		25.9	24.6	26.4
3×2×0.75		13.4	12.9	13.9	12×2×2.5		30.7	29.4	31.2
3×2×1.0		14.2	13.7	14.7	14×2×0.5		21.5	19.7	22.0
3×2×1.5		15.4	14.9	15.9	14×2×0.75		23.5	22.1	24.0
3×2×2.5		18.4	17.4	18.9	14×2×1.0		25.0	23.6	25.5
4×2×0.5		13.3	11.9	14.0	14×2×1.5		27.2	25.8	27.7
4×2×0.75		14.6	14.0	15.1	14×2×2.5		32.3	30.8	32.8
4×2×1.0		15.5	14.9	16.0	16×2×0.5		22.6	21.1	23.4
4×2×1.5		16.8	16.2	17.3	16×2×0.75		25.1	23.6	25.6
4×2×2.5		20.1	19.5	20.6	16×2×1.0		26.7	25.2	27.2
5×2×0.5		14.3	13.1	15.0	16×2×1.5		29.7	27.6	30.2
5×2×0.75		15.5	14.9	16.0	16×2×2.5		34.9	33.0	35.4

5×2×1.0	5	16.5	15.9	17.0	(18)19×2×0.5	5	23.8	21.0	24.5
5×2×1.5		18.5	17.3	19.0	(18)19×2×0.75		27.3	25.0	27.8
5×2×2.5		21.4	20.7	21.9	(18)19×2×1.0		29.7	26.5	30.2
(6) 7×2×0.5		15.0	14.1	16.0	(18)19×2×1.5		31.0	29.0	32.8
(6) 7×2×0.75		16.1	15.5	16.6	(18)19×2×2.5		38.0	35.0	38.5
(6) 7×2×1.0		17.1	16.5	17.6	24×2×0.5		27.6	24.5	28.2
(6) 7×2×1.5		19.2	18.5	19.7	24×2×0.75		31.2	28.0	31.7
(6) 7×2×2.5		22.2	21.5	22.7	24×2×1.0		33.2	30.0	33.7
8×2×0.5		15.5	15.5	17.5	24×2×1.5		36.6	32.5	37.1
8×2×0.75		19.0	18.1	19.5	24×2×2.5		41.0	38.5	40.5
8×2×1.0		20.2	19.3	20.7	/		/	/	/

备注：

- 1、铜塑复合带屏蔽型及铝塑复合带屏蔽型的电缆外径略小于铜丝编织屏蔽型电缆外径约0.5mm范围；
- 2、铜塑复合带屏蔽型电缆及铝塑复合带屏蔽型电缆的外径可以按相同设计考虑；
- 3、B类导体的电缆外径略小于R类导体的电缆外径,约0.5~1mm范围内。

Note:

- 1.Outer diameter of cable with copper(aluminum)-plastic compound tape shielding is smaller by 0.5mm than that with copper wire braided shielding.
- 2.Cable with copper-plastic compound tape shielding and cable with aluminum-plastic compound tape shielding can be designed with similar consideration.
- 3.The outer diameter of the cable of class B conductor is less than that of class R conductor, which is within the range of 0.5~1mm.

对数×芯数×导体标称截面 mm ² Pair number* Core number* Nominal cross-section area	导体种类 Conductor category	电缆计算外径 mm Calculated outer diameter of cable			对数×芯数×导体标称截面 mm ² Pair number* Core number* Nominal cross-section area	导体种类 Conductor category	电缆计算外径 mm Calculated outer diameter of cable		
		DJYPV22 DJVPV22 DJYJPV22	DJYVP22 DJVVP22 DJYJVP22	DJYVPV22 DJVPVP22 DJYJPVP22			DJYPV22 DJVPV22 DJYJPV22	DJYVP22 DJVVP22 DJYJVP22	DJYVPV22 DJVPVP22 DJYJPVP22
1×2×0.5	1	10.4	10.4	/	8×2×1.5	1	22.5	22.0	23.4
1×2×0.75		10.8	10.8	/	8×2×2.5		26.5	25.4	27.3
1×2×1.0		11.3	11.3	/	10×2×0.5		21.1	19.9	21.6
1×2×1.5		11.8	11.8	/	10×2×0.75		22.6	21.5	23.1
1×2×2.5		13.1	13.1	/	10×2×1.0		23.5	22.8	24.4
2×2×0.5		13.7	13.3	14.2	10×2×1.5		25.2	24.1	25.7
2×2×0.75		14.4	14.0	14.9	10×2×2.5		29.5	29.1	30.7
2×2×1.0		15.1	14.5	15.6	12×2×0.5		22.0	20.7	22.5
2×2×1.5		15.8	15.5	16.3	12×2×0.75		23.6	22.4	24.1
2×2×2.5		18.6	18.3	19.1	12×2×1.0		25.0	23.8	25.5
3×2×0.5		14.6	13.6	15.1	12×2×1.5		26.0	25.2	27.3
3×2×0.75		15.5	15.0	16.0	12×2×2.5		31.0	30.4	32.6
3×2×1.0		16.3	15.8	16.8	14×2×0.5		22.9	21.5	23.4
3×2×1.5		17.1	16.6	17.6	14×2×0.75		24.5	23.3	25.0
3×2×2.5		20.1	19.6	20.6	14×2×1.0		26.0	24.8	26.9
4×2×0.5		15.5	14.4	16.0	14×2×1.5		29.0	26.7	28.4
4×2×0.75		16.5	16.0	17.0	14×2×2.5		32.5	31.7	33.9
4×2×1.0		17.4	16.9	18.0	16×2×0.5		24.2	22.7	24.7
4×2×1.5		18.9	18.3	19.4	16×2×0.75		26.1	24.6	27.0
4×2×2.5		21.5	21.0	22.0	16×2×1.0		28.1	26.2	29.2
5×2×0.5		16.4	15.2	16.9	16×2×1.5		30.3	28.2	30.8
5×2×0.75		17.4	16.6	18.5	16×2×2.5		35.5	34.5	36.5
5×2×1.0		19.0	17.6	19.5	(18)19×2×0.5		26.4	24.3	26.9
5×2×1.5		19.9	19.2	20.4	(18)19×2×0.75		29.1	26.8	29.6
5×2×2.5		22.8	22.1	23.3	(18)19×2×1.0		30.9	29.2	31.4
(6) 7×2×0.5		17.9	17.1	18.4	(18)19×2×1.5		33.1	30.9	33.6
(6) 7×2×0.75		18.6	17.2	19.1	(18)19×2×2.5		38.8	38.0	39.7
(6) 7×2×1.0		19.6	18.8	20.1	24×2×0.5		29.7	27.1	30.2
(6) 7×2×1.5		20.6	19.8	21.1	24×2×0.75		32.1	31.0	33.1
(6) 7×2×2.5		23.6	22.8	24.1	24×2×1.0		35.0	32.1	35.5

8×2×0.5	1	19.3	18.3	19.8	24×2×1.5	1	38.5	35.0	37.5
8×2×0.75		20.6	19.6	21.1	24×2×2.5		45.5	41.6	44.1
8×2×1.0		21.7	20.8	22.2	/		/	/	/

备注：

- 1、铜塑复合带屏蔽型及铝塑复合带屏蔽型的电缆外径略小于铜丝编织屏蔽型电缆外径0.5mm范围；
- 2、铜塑复合带屏蔽型电缆及铝塑复合带屏蔽型电缆的外径可以按相同设计考虑；
- 3、钢丝铠装型电缆外径在钢带铠装型电缆外径基础上增1~1.5mm。

Note:

- 1.Outer diameter of cable with copper(aluminum)-plastic compound tape shielding is smaller by 0.5mm than that with copper wire braided shielding.
- 2.Outer diameter of cable with copper-plastic compound tape shielding and cable with aluminum-plastic compound tape shielding can be designed with similar consideration.
- 3.Outer diameter of cable with steel wire armor is added by 1~1.5mm on the basis of that with steel tape armor.

对数×芯数×导体标称截面 mm ² Pair number* Core number* Nominal cross-section area	导体种类 Conductor category	电缆计算外径 mm Calculated outer diameter of cable			对数×芯数×导体标称截面 mm ² Pair number* Core number* Nominal cross-section area	导体种类 Conductor category	电缆计算外径 mm Calculated outer diameter of cable		
		DJYPV DJVPV DJYJPV	DJYVP DJVVP DJYJVP	DJYPVP DJVPVP DJYJPVP			DJYPV DJVPV DJYJPV	DJYVP DJVVP DJYJVP	DJYPVP DJVPVP DJYJPVP
1×3×0.5	1	6.8	6.8	/	8×3×1.5	1	22.0	21.0	22.5
1×3×0.75		7.56	7.5	/	8×3×2.5		25.7	24.7	26.2
1×3×1.0		8.1	8.1	/	10×3×0.5		19.9	18.6	20.4
1×3×1.5		8.8	8.8	/	10×3×0.75		21.8	20.6	22.5
1×3×2.5		10.0	10.0	/	10×3×1.0		23.3	22.0	23.8
2×3×0.5		10.9	10.5	11.4	10×3×1.5		25.1	23.8	25.6
2×3×0.75		11.9	11.5	12.8	10×3×2.5		30.0	28.1	30.5
2×3×1.0		13.1	12.7	13.6	12×3×0.5		20.9	19.5	21.4
2×3×1.5		14.0	13.6	14.5	12×3×0.75		22.8	21.5	23.3
2×3×2.5		16.3	15.9	16.8	12×3×1.0		24.4	23.0	24.9
3×3×0.5		12.3	11.3	12.8	12×3×1.5		26.3	24.9	26.8
3×3×0.75		13.4	12.8	13.9	12×3×2.5		31.4	30.1	31.9
3×3×1.0		14.3	13.6	14.8	14×3×0.5		21.8	20.3	22.3
3×3×1.5		15.3	14.7	15.8	14×3×0.75		23.9	22.4	26.5
3×3×2.5		18.4	17.2	18.9	14×3×1.0		25.5	24.0	26.0
4×3×0.5		13.2	12.6	13.7	14×3×1.5		27.5	26.0	28.0
4×3×0.75		14.5	13.8	15.0	14×3×2.5		32.9	31.4	33.4
4×3×1.0		15.5	14.7	16.0	16×3×0.5		23.2	21.6	23.7
4×3×1.5		16.6	15.9	17.1	16×3×0.75		25.4	23.8	25.9
4×3×2.5		20.0	19.3	20.5	16×3×1.0		27.2	25.5	27.7
5×3×0.5		14.2	13.4	14.7	16×3×1.5		29.9	27.6	30.4
5×3×0.75		15.4	14.6	15.9	16×3×2.5		35.5	32.4	36.0
5×3×1.0		16.4	15.6	16.9	(18)19×3×0.5		25.1	23.2	25.6
5×3×1.5		18.5	16.8	19.0	(18)19×3×0.75		27.5	25.7	28.0
5×3×2.5		21.2	20.4	21.7	(18)19×3×1.0		30.0	27.6	30.5
(6) 7×3×0.5		15.1	14.2	15.6	(18)19×3×1.5		32.3	30.5	32.8
(6) 7×3×0.75		17.0	16.1	17.5	(18)19×3×2.5		38.4	36.6	38.9
(6) 7×3×1.0		18.8	17.2	19.3	24×3×0.5		28.5	25.8	29.0
(6) 7×3×1.5		20.2	19.2	20.7	24×3×0.75		31.2	29.1	31.7
(6) 7×3×2.5		23.5	22.6	24.0	24×3×1.0		33.4	31.2	34.3
8×3×0.5		17.6	15.9	18.1	24×3×1.5		36.4	34.3	36.9
8×3×0.75		19.2	17.6	19.7	24×3×2.5		43.2	41.0	43.7
8×3×1.0		20.5	19.4	21.0	/		/	/	/

备注：

- 1、铜塑复合带屏蔽型及铝塑复合带屏蔽型的电缆外径略小于铜丝编织屏蔽型电缆外径0.5mm范围；
- 2、铜塑复合带屏蔽型电缆及铝塑复合带屏蔽型电缆的外径可以按相同设计考虑。

Note:

- 1.Outer diameter of cable with copper(aluminum)-plastic compound tape shielding is smaller by 0.5mm than that with copper wire braided shielding.
- 2.Outer diameter of cable with copper-plastic compound tape shielding and cable with aluminum-plastic compound tape shielding can be designed with similar consideration.

对数×芯数×导体标称截面 mm ² Pair number* Core number* Nominal cross-section area	导体种类 Conductor category	电缆计算外径 mm Calculated outer diameter of cable			对数×芯数×导体标称截面 mm ² Pair number* Core number* Nominal cross-section area	导体种类 Conductor category	电缆计算外径 mm Calculated outer diameter of cable		
		DJYPVR DJVPVR DJYJPVR	DJYVPR DJVVPR DJYJVPR	DJYVPVR DJVPVPR DJYJPVPR			DJYPVR DJVPVR DJYJPVR	DJYVPR DJVVPR DJYJVPR	DJYVPVR DJVPVPR DJYJPVPR
1×3×0.5	5	7.3	7.3	-	8×3×1.5	5	24.2	23.2	24.7
1×3×0.75		8.0	8.0	-	8×3×2.5		27.9	26.9	29.0
1×3×1.0		8.6	8.6	-	10×3×0.5		20.6	19.3	21.1
1×3×1.5		9.3	9.3	-	10×3×0.75		23.6	22.3	24.1
1×3×2.5		10.5	10.5	-	10×3×1.0		25.0	23.8	25.5
2×3×0.5		11.3	10.9	11.8	10×3×1.5		27.5	26.3	28.0
2×3×0.75		13.2	12.8	13.7	10×3×2.5		32.5	31.2	33.0
2×3×1.0		14.0	13.5	14.5	12×3×0.5		21.6	20.2	22.1
2×3×1.5		15.3	14.9	15.8	12×3×0.75		24.8	23.3	25.3
2×3×2.5		17.6	17.2	18.7	12×3×1.0		26.3	24.9	26.8
3×3×0.5		12.7	11.7	13.2	12×3×1.5		29.6	27.5	30.1
3×3×0.75		14.4	13.9	14.9	12×3×2.5		34.5	32.7	35.0
3×3×1.0		15.2	14.7	15.7	14×3×0.5		22.6	21.1	23.1
3×3×1.5		16.7	16.2	17.2	14×3×0.75		25.9	24.4	26.4
3×3×2.5		19.8	19.3	20.3	14×3×1.0		27.5	26.0	28.0
4×3×0.5		13.7	13.0	14.2	14×3×1.5		30.9	28.0	31.4
4×3×0.75		15.6	15.0	16.1	14×3×2.5		36.1	34.6	36.0
4×3×1.0		16.5	15.9	17.0	16×3×0.5		24.1	22.4	24.6
4×3×1.5		18.7	17.5	19.2	16×3×0.75		27.6	26.0	28.1
4×3×2.5		21.5	20.9	22.0	16×3×1.0		29.9	27.7	30.4
5×3×0.5		14.7	13.9	15.2	16×3×1.5		32.9	29.5	32.0
5×3×0.75		16.6	15.9	17.1	16×3×2.5		38.5	35.5	39.0
5×3×1.0		17.6	16.9	18.7	(18)19×3×0.5		26.0	24.2	26.5
5×3×1.5		19.7	19.2	20.4	(18)19×3×0.75		30.5	28.0	31.0
5×3×2.5		22.9	22.2	23.4	(18)19×3×1.0		32.3	30.5	32.8
(6)7×3×0.5		15.6	14.8	16.1	(18)19×3×1.5		36.0	31.5	34.5
(6)7×3×0.75		19.1	17.5	19.6	(18)19×3×2.5		42.1	38.5	42.6
(6)7×3×1.0		20.2	19.3	20.7	24×3×0.5		29.6	26.8	30.1
(6)7×3×1.5		22.2	21.2	22.7	24×3×0.75		34.3	31.8	34.8
(6)7×3×2.5		25.5	24.6	26.0	24×3×1.0		36.4	33.0	36.9
8×3×0.5		18.2	16.5	18.7	24×3×1.5		40.5	35.5	39.0
8×3×0.75		20.8	19.7	21.3	24×3×2.5		47.5	43.0	46.5
8×3×1.0		22.0	21.0	22.5	/		/	/	/

备注：

- 1、铜塑复合带屏蔽型及铝塑复合带屏蔽型的电缆外径略小于铜丝编织屏蔽型电缆外径约0.5mm范围；
- 2、铜塑复合带屏蔽型电缆及铝塑复合带屏蔽型电缆的外径可以按相同设计考虑；
- 3、B类导体的电缆外径略小于R类导体的电缆外径约0.5~1mm范围内。

Note:

- 1.Outer diameter of cable with copper(aluminum)-plastic compound tape shielding is smaller by 0.5mm than that with copper wire braided shielding.
- 2.Outer diameter of cable with copper-plastic compound tape shielding and cable with aluminum-plastic compound tape shielding can be designed with similar consideration.
- 3.Outer diameter of cable with conductor of class B is smaller by 0.5~1mm than that of category R.

对数×芯数×导体标称截面 mm ² Pair number* Core number* Nominal cross-section area	导体种类 Conductor category	电缆计算外径 mm Calculated outer diameter of cable			对数×芯数×导体标称截面 mm ² Pair number* Core number* Nominal cross-section area	导体种类 Conductor category	电缆计算外径 mm Calculated outer diameter of cable		
		DJYPV22 DJVPV22 DJYJPV22	DJYVP22 DJVVP22 DJYJVP22	DJYPVP22 DJVPVP22 DJYJPVP22			DJYPV22 DJVPV22 DJYJPV22	DJYVP22 DJVVP22 DJYJVP22	DJYPVP22 DJVPVP22 DJYJPVP22
1×3×0.5	1	10.8	10.8	-	8×3×1.5	1	25.0	24.0	25.5
1×3×0.75		11.1	11.1	-	8×3×2.5		29.7	28.1	30.2
1×3×1.0		11.6	11.6	-	10×3×0.5		23.8	22.5	24.3
1×3×1.5		12.3	12.3	-	10×3×0.75		24.8	23.6	25.3
1×3×2.5		13.5	13.5	-	10×3×1.0		26.7	25.0	27.2
2×3×0.5		14.9	14.5	15.4	10×3×1.5		29.1	27.2	29.6
2×3×0.75		15.3	14.9	15.8	10×3×2.5		33.4	32.1	34.3
2×3×1.0		16.1	15.7	16.6	12×3×0.5		24.8	23.4	25.3
2×3×1.5		17.0	16.6	17.5	12×3×0.75		25.8	24.5	26.3
2×3×2.5		19.9	19.5	20.4	12×3×1.0		27.8	26.0	28.9
3×3×0.5		15.9	15.3	16.4	12×3×1.5		30.3	28.3	30.8
3×3×0.75		16.4	15.8	16.9	12×3×2.5		35.2	33.5	36.2
3×3×1.0		17.3	16.6	18.4	14×3×0.5		26.2	24.3	26.7
3×3×1.5		18.9	18.3	19.4	14×3×0.75		27.3	25.4	27.8
3×3×2.5		21.4	20.8	21.9	14×3×1.0		29.5	27.4	30.0
4×3×0.5		16.9	16.2	17.4	14×3×1.5		31.5	30.0	32.0
4×3×0.75		17.5	16.8	18.6	14×3×2.5		37.2	35.2	37.7
4×3×1.0		19.1	18.3	19.6	16×3×0.5		27.7	25.6	28.2
4×3×1.5		20.2	19.5	20.7	16×3×0.75		29.4	27.2	29.9
4×3×2.5		23.0	22.3	23.5	16×3×1.0		31.2	29.5	31.7
5×3×0.5		18.5	17.1	19.0	16×3×1.5		33.3	31.6	33.8
5×3×0.75		19.0	17.6	19.5	16×3×2.5		39.8	37.7	40.3
5×3×1.0		20.0	19.2	20.5	(18)19×3×0.5		30.2	27.8	30.7
5×3×1.5		21.2	20.4	21.7	(18)19×3×0.75		31.5	29.7	32.0
5×3×2.5		24.2	23.4	24.7	(18)19×3×1.0		33.4	31.6	34.3
(6) 7×3×0.5		19.4	18.6	19.9	(18)19×3×1.5		36.6	34.3	37.1
(6) 7×3×0.75		20.6	19.7	21.1	(18)19×3×2.5		42.9	41.1	43.4
(6) 7×3×1.0		21.8	20.8	22.3	24×3×0.5		33.6	31.0	34.1
(6) 7×3×1.5		23.2	22.2	23.7	24×3×0.75		35.0	32.5	36.0
(6) 7×3×2.5		26.9	25.6	27.4	24×3×1.0		37.7	35.0	38.2
8×3×0.5		21.4	20.3	21.9	24×3×1.5		40.9	38.2	41.4
8×3×0.75		22.2	21.2	22.7	24×3×2.5		48.1	45.7	48.6
8×3×1.0		23.5	22.4	24.0	/		/	/	/

备注：

- 1、铜塑复合带屏蔽型及铝塑复合带屏蔽型的电缆外径略小于铜丝编织屏蔽型电缆外径约0.5mm范围；
- 2、铜塑复合带屏蔽型电缆及铝塑复合带屏蔽型电缆的外径可以按相同设计考虑；
- 3、钢丝铠装型电缆外径在钢带铠装型电缆外径基础上增加1~1.5mm。

Note:

- 1.Outer diameter of cable with copper(aluminum)-plastic compound tape shielding is smaller by 0.5mm than that with copper wire braided shielding.
- 2.Outer diameter of cable with copper-plastic compound tape shielding and cable with aluminum-plastic compound tape shielding can be designed with similar consideration.
- 3.Outer diameter of cable with steel wire armor is added by 1~1.5mm on the basis of that with steel tape armor.