

计算机用屏蔽电缆（或称DCS系统用电缆）

Computer Shielded Cable (Cable for DSC system)

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

企业标准及TICW6-2009.

Executive standard

Enterprise Standard andTICW6-2009.

二、使用特性

- 1、工作电压：交流50HZ，U0/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℃（绝缘交联类型可分为硅烷交联和辐照交联）；硅橡胶绝缘电缆+180℃；氟塑料绝缘电缆+200℃；
- 3、最低环境温度：固定敷设-40℃；非固定敷设-15℃；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。

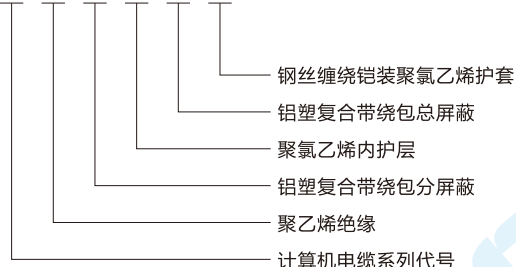
Operational performance

- 1.Working voltage: AC 50HZ U0/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℃ (SI-XLPE/Irradiation XLPE)
Silicone rubber insulation: +180℃.
Fluoroplastic insulation: +200℃.
- 3.Lowest ambient temperature: fixed installation-40℃.non-fixed installation -15℃, 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

举例：DJ Y P3 V P3-32



Steel wire winding armor PVC outer sheath
Aluminum-plastic compound tape wrapped general shielding
PVC inner sheath
Aluminum-plastic compound tape wrapped individual shielding
PE insulation
Series number of computer cable

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—聚乙烯挤包绝缘或护套
V—聚氯乙烯挤包绝缘或护套
YJ—交联聚乙烯挤包绝缘。
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。

Insulation or sheath material:
F means fluoroplastic insulation or sheath
G means silicone rubber insulation or sheath
Y means PE extruded insulation or sheath
V means PVC extruded insulation or sheath
YJ means XLPE extruded insulation
Flame retardant performance category:
ZRA: category A (the best)
ZRB: category B
ZRC & ZR: category C
NH: Fire-resistant

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—铜塑复合带绕包
 P3—铝塑复合带绕包

导体种类：A—单根导体（型号中省略）
 B—七根绞合导体（在规格后面加“B”表示）
 R—多根绞合导体

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 means copper-plastic compound tape wrapping
 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 general 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 general 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	DJYVPV	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 general & individual shielding
6	DJYVPVR	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 general & 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 general 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 general 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 & general 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 & general 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 general 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 general 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 & general 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 general shielding, steel tape armoring
20	DJYVP22	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	DJYVP22	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 & general 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, general 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 & general 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, general 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 & general 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	DJYVP32	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 & general 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, general 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, general & 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, general 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, general & individual shielding, steel wire armoring

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。

Specifications 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.

六、主要技术参数

1、20℃导体直流电阻；

Main Technical Parameter

DC Resistance of Conductor at 20℃

导体标称截面mm ² Nominal cross-sectional area of conductor	导体根数/单丝直径mm Number of conductors/ diameter of per conductor			20℃时导体直流电阻Ω/km DC resistance of conductor at 20℃	
	A	B	R	A、B	R
0.5	1/0.80	7/0.30	16/0.20	≤36.0	≤39.0
0.75	1/0.97	7/0.37	24/0.20	≤24.5	≤26.0
1.0	1/1.13	7/0.43	32/0.20	≤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

2、20℃绝缘电阻

Insulation Resistance at 20℃

性能项目 Performance project	PVC绝缘 PVC insulation	PE、XLPE绝缘 PE、XLPE insulation
20℃时绝缘电阻MΩ.km Conductor DC insulation at 20℃	≥25	≥500

3、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。

Cable shall endure A.C. voltage test of 1000V under power frequency for 1min without puncture of insulation. And testing temperature is environment temperature.

七、电缆计算外径（供参考）

Calculated Outer Diameter of Cable (for reference)

对数×芯数×导体标称截面 mm ² Pair number* Core number* Nominal cross-sectional 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-sectional 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	A	6.5	6.5	—	8×2×1.5	A	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
3×2×1.5		14.2	13.6	14.6	14×2×0.75		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	25.0
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	13.0	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		31.0	30.2	32.2
5×2×1.0		15.4	14.6	15.9	(18)19×2×0.5		23.5	21.8	24.3
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	15.5	(18)19×2×2.5		34.9	32.8	35.4
(6)7×2×1.0		16.2	15.2	16.5	24×2×0.5		26.5	24.0	27.0
(6)7×2×1.5		18.2	16.2	17.5	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。

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 mm² Pair number* Core number* Nominal cross-sectional 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 mm² Pair number* Core number* Nominal cross-sectional 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	R	7.0	7.0	-	8×2×1.5	R	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	16.2	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		16.5	15.9	17.0	(18)19×2×0.5		24.5	22.9	25.4
5×2×1.5		18.5	17.3	19.0	(18)19×2×0.75		27.3	26.2	27.8
5×2×2.5		21.4	20.7	21.9	(18)19×2×1.0		29.7	27.9	30.2
(6)7×2×0.5		15.3	14.1	16.0	(18)19×2×1.5		32.3	30.6	32.8
(6)7×2×0.75		16.1	15.5	16.6	(18)19×2×2.5		38.0	36.2	38.5
(6)7×2×1.0		17.1	16.5	17.6	24×2×0.5		27.6	25.5	28.2
(6)7×2×1.5		19.2	18.5	19.7	24×2×0.75		31.2	29.2	31.7
(6)7×2×2.5		22.2	21.5	22.7	24×2×1.0		33.2	31.2	33.7
8×2×0.5		16.9	15.5	17.5	24×2×1.5		36.6	34.6	37.1
8×2×0.75		19.0	18.1	19.5	24×2×2.5		43.0	41.0	43.5
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；
 ③B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 mm² Pair number* Core number* Nominal cross-sectional 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 mm² Pair number* Core number* Nominal cross-sectional 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	A	10.4	10.4	-	8×2×1.5	A	22.5	22.0	23.4
1×2×0.75		10.8	10.8	-	8×2×2.5		26.0	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		27.9	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	18.5	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	37.1	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	30.1	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		19.3	18.3	19.8	24×2×1.5		37.0	35.0	37.5
8×2×0.75		20.6	19.6	21.1	24×2×2.5		43.6	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 mm² Pair number* Core number* Nominal cross-sectional 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 mm² Pair number* Core number* Nominal cross-sectional 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	DJYVPV DJVPVP DJYJPVP			DJYPV DJVPV DJYJPV	DJYVP DJVVP DJYJVP	DJYVPV DJVPVP DJYJPVP
1×3×0.5	A	6.8	6.8	-	8×3×1.5	A	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	24.4
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	33.4	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		17.6	16.8	18.7	(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 mm² Pair number* Core number* Nominal cross-sectional 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 mm² Pair number* Core number* Nominal cross-sectional area	导体种类 Conductor category	电缆计算外径 mm Calculated outer diameter of cable		
		DJYPVR DJVPVR DJYJPVR	DJYVPR DJVVPR DJYJVPVR	DJYPVPR DJVPVPR DJYJPVPR			DJYPVR DJVPVR DJYJPVR	DJYVPR DJVVPR DJYJVPVR	DJYPVPR DJVPVPR DJYJPVPR
1×3×0.5	R	7.3	7.3	-	8×3×1.5	R	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	29.4	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	31.3	33.4
5×3×0.75		16.6	15.9	17.1	16×3×2.5		38.5	36.9	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	33.8	36.5
(6)7×3×0.75		19.1	17.5	19.6	(18)19×3×2.5		42.1	40.2	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	34.3	36.9
8×3×0.5		18.2	16.5	18.7	24×3×1.5		40.5	38.0	41.0
8×3×0.75		20.8	19.7	21.3	24×3×2.5		47.5	45.4	48.0
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；
③B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 mm² Pair number* Core number* Nominal cross-sectional 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 mm² Pair number* Core number* Nominal cross-sectional 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
1×3×0.5	A	10.8	10.8	-	8×3×1.5	A	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.