

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网络及控制系统, 或抗干扰性能要求较高的检测装置和仪器仪表的连接。

一、生产执行标准:

Q/TK08.1-2010参照采用英国BS5308标准。

二、使用特性

1、交流额定电压U0/U: 300/500V; 电缆导体长期允许最高工作温度: 聚氯乙烯绝缘分70°C、105°C两种; 聚乙烯绝缘为70°C; 交联聚乙烯绝缘为90°C (绝缘交联类型可分为硅烷交联和辐照交联)。

2、最低环境温度: 固定敷设-40°C; 非固定敷设-15°C。安装敷设时环境温度: 不低于0°C。

3、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6倍。

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:

Q/TK08.01-2010 or BS5308 standard for reference

Performance for Usage

1: AC rated voltageU0/U: 300/500V. Long term working temperature of cable conductor is 70°C & 105°C for cable with PVC insulation, 70°C for cable with PE insulation and 90°C for cable with XLPE insulation.(XLPE insulation includes silane XLPE & irradiation XLPE insulation.)

2: Min. environment temperature is -40°C for fixed laying and -15°C for non-fixed laying. Environment temperature shall be no less than 0°C for installing.

3: Min.bending radius allowed by cable is no less than 6 times that of cable OD for non-armored soft cable or braided shielding cable and 12 times that of cable OD for cable with metallic tape wrapped shielding or steel wire/steel tape armor.

三、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 soft cable with Cu core, PE insulation, PVC sheath, copper wire braided general shielding
3	DJYVP	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	DJYVPR	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 soft cable with Cu core, PE insulation, PVC sheath, copper wire braided individual shielding
5	DJYVPVP	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 soft 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 soft cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping general shielding
9	DJYVP2V	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	DJYVP2VR	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 soft cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping individual shielding

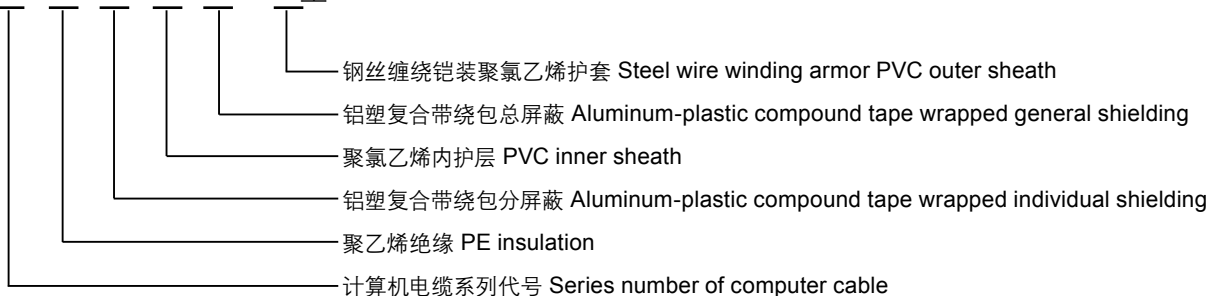
11	DJYP2VP2	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏总屏计算机电缆 Computer cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape wrapping individual & general shielding
12	DJYP2VP2R	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏总屏计算机软电缆 Computer soft cable with Cu core, PE insulation, PVC sheath, copper-plastic compound tape 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 soft 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 soft 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 armor
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 armor
21	DJYVPV22	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 armor
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 armor
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 armor
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 armor
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 armor
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 armor

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 armor
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 armor
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 armor
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 armor
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 armor
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 armor
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 armor
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 armor
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 armor
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 armor

四、型号名称及含义

Type, Description and Definition

举例: DJ Y P3 V P3 - 32型



绝缘或护套材料: 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: ZRA—A类阻燃 (A类阻燃性能最佳)

ZRB—B类阻燃

ZRC、ZR—C类阻燃。

阻燃型电缆在基本型号前分别加“ZRA-”、“ZRB-”、“ZRC或ZR”表示即可。

Insulation or sheath material:

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

Prefix “ZRA-”、“ZRB-”、“ZRC or ZR” is added to the original type of flame retardant cable.

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)
 C means multi-stranded conductor

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。

Specification Scope

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 section 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

导体标称截面mm ² Nominal cross section area	导体根数/单丝直径mm Pieces of conductor/diameter of single piece			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

DC Resistance of Conductor at 20℃

2、20℃绝缘电阻

Insulation Resistance at 20℃

项目Item	单位Unit	技术指标Technical performances		
		F46绝缘、聚乙烯绝、交联聚乙烯绝缘; F46Insulation, PE insulation, XLPE insulation	聚氯乙烯绝缘, PVC insulation	
绝缘电阻 (20℃) insulation resistance	MΩ·km	任一线对导体间Between each pair conductor	5000	25
		线对屏蔽间Between pair and insulation	1	1
工作电容 (1kHz) Operating capacitance	pF/m	3型 Type 3	75	200
		1和2型 Type 1&2	90	
电容不平衡 (1kHz) Unbalanced capacitance	pF/m		1	/
电感电阻比 Inductance resistance	uH/Ω	截面 Section		
		0.5mm ²	20	20
		0.75 mm ²	20	20
		1.0 mm ²	25	25
		1.5 mm ²	35	35
屏蔽抑制系数 Insulation control coefficient			0.01	0.01
实验电压 Test voltage	V/1min		1000	1000
阻燃性 Flame-retardant			符合GB/T19666-2005要求 Complies with GB/T19666-2005 standards	符合GB/T19666-2005要求 Complies with GB/T19666-2005 standards

3、电缆应经受工频交流电压试验：2000V/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 2000V 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 section	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	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		7.8	7.8	—	10×2×0.5		15.6	15.0	16.2
1×2×1.5		8.5	8.5	—	10×2×0.75		19.6	18.5	20.1
1×2×2.5		9.7	9.7	—	10×2×1.0		20.9	19.8	21.4
2×2×0.5		9.2	9.0	9.8	10×2×1.5		22.2	21.1	22.7
2×2×0.75		11.0	10.5	11.5	10×2×2.5		26.2	25.1	26.7
2×2×1.0		11.7	11.4	12.2	12×2×0.5		16.5	15.8	17.1
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		10.0	9.8	10.6	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	12.8	13.8	14×2×0.5		17.2	16.4	18.4
3×2×1.5		14.1	13.6	14.6	14×2×0.75		21.5	20.3	22.0
3×2×2.5		16.5	16.0	17.0	14×2×1.0		23.0	21.8	23.5
4×2×0.5		10.9	10.6	11.5	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		18.9	18.0	19.5
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		11.5	11.1	12.1	16×2×1.5		26.3	24.8	26.8
5×2×0.75		14.4	13.6	14.9	16×2×2.5		31.7	30.2	32.2
5×2×1.0		15.4	14.6	15.9	(18)19×2×0.5		20.5	19.5	21.1
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		12.3	12.0	13.3	(18)19×2×1.5		29.2	26.9	29.7
(6) 7×2×0.75		15.0	14.2	15.5	(18)19×2×2.5		34.9	32.8	35.4
(6) 7×2×1.0		18.2	15.2	16.5	24×2×0.5		22.8	21.7	23.4
(6) 7×2×1.5		19.6	16.2	17.5	24×2×0.75		28.1	26.1	29.2
(6) 7×2×2.5		20.6	19.8	21.1	24×2×1.0		30.7	28.1	31.2
8×2×0.5		14.0	13.5	14.6	24×2×1.5		32.7	30.7	33.2
8×2×0.75		17.0	16.0	17.5	24×2×2.5		39.1	37.1	40.0
8×2×1.0	18.7	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。

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.

对数×芯数×导体标称截面 mm ² pair number* core number* nominal cross section	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	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
1×2×0.5	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		17.9	17.3	19.1
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		10.3	10.2	10.9	10×2×1.5		24.6	23.4	25.1
2×2×0.75		11.9	11.6	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		19.5	18.8	20.1
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		11.2	11.0	11.8	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		20.5	19.7	21.1
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		12.2	11.9	13.2	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		21.9	21.1	22.5
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		13.5	13.1	14.1	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		23.8	22.9	24.4
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		14.5	14.1	15.1	(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		26.6	25.5	27.2
(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		15.9	15.5	16.5	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: Outer diameter of cable with conductor of category 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	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	导体种类 Conductor category	电缆计算外径mm calculated outer diameter of cable		
		DJYVP22 DJVPV22 DJYJPV22	DJYVP22 DJVVP22 DJYJVP22	DJYVP22 DJVPV22 DJYJPV22			DJYVP22 DJVVP22 DJYJVP22	DJYVP22 DJVPV22 DJYJPV22	
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		26.8	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		23.9	22.8	24.4
2×2×0.5		13.7	12.8	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		30.2	29.1	30.7
2×2×1.0		15.1	14.8	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		26.8	25.2	27.3
3×2×0.75		15.5	15.0	16.0	12×2×2.5		31.6	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		33.4	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		36.0	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: Cable with copper-plastic compound tape shielding and 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	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	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	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。

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.

对数×芯数×导体标称截面 mm ² pair number* core number* nominal cross section	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	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	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: 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	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	导体种类 conductor category	电缆计算外径mm calculated outer diameter of cable		
		DJYVP22 DJVPV22 DJYJPV22	DJYVP22 DJVVP22 DJYJVP22	DJYVP22 DJVPV22 DJYJPV22			DJYVP22 DJVPV22 DJYJPV22	DJYVP22 DJVVP22 DJYJVP22	DJYVP22 DJVPV22 DJYJPV22
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: 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.