

INSTRUMENTATION AND  
CONTROL CABLES  
仪表及控制电缆



苏州特雷卡电缆有限公司  
地址：苏州市相城经济开发区康元路88号  
邮编215131  
电话：+86 512 6578 9888  
传真：+86 512 6578 9858

Suzhou Draka Cable Co., Ltd.  
Add: No. 88 Kangyuan Road, Xiangcheng Economic  
Development District, Suzhou, 215131  
T: +86 512 6578 9888  
F: +86 512 6578 9858

普睿司曼（天津）电缆有限公司  
地址：天津市西青经济开发区大寺工业园津荣道16号  
邮编300385  
电话：+86 22 2753 9605  
传真：+86 22 8398 0773

Prysmian Tianjin Cables Co., Ltd.  
Add: 16, Jin Rong Road, Dasi Town, Xiqing  
District, Tianjin, P. R. China 300385  
T: +86 22 2753 9605  
F: +86 22 8398 0773

## 1、电动型仪表信号电缆 Electromotive instrumental Signal Cable

### 一、产品特点及用途

该产品其组成为绝缘线芯以两根绞合成对或三根绞合成组，然后再由线对或线组成缆，电缆有总屏蔽。  
用于电动仪表为主的电动控制系统及计算机控制系统。该电缆可用作传输生产装置过程变量的检测、控制、联锁、报警、指示等模拟和数字信号。

### I .Characteristics and Application

Its insulated cores are twisted in pair or stranded in banks of three threads. These pairs or banks are then cabled, with collective shield.

It is used in electromotive instrument of automatic control system and computer control system, transmitting various analogue and digital signals of testing, controlling, interlocking, alarm in production process.

### 二、产品执行标准

参照 EN50288.7

### II .Implemented standard

Refer to EN50288.7

### 三、使用特征

1. 交流额定电压 $U_0/U$ :300/500V
2. 电缆最高工作温度: 聚乙烯绝缘 70℃  
交联聚乙烯绝缘 90℃
3. 安装后的最低环境温度: 固定敷设-40℃; 非固定敷设-15℃。(注意: 不是安装时的环境温度)
4. 安装敷设温度: 不低于0℃
5. 电缆允许最小弯曲半径: 非铠装或编织铠装电缆不小于电缆外径的6倍  
铜带屏蔽或钢丝、钢带缠绕铠装电缆不小于电缆外径的12倍

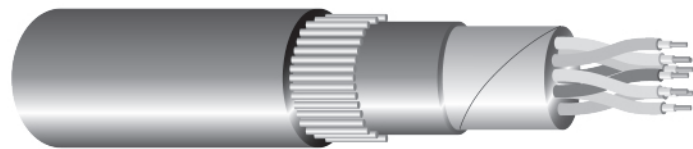
### III .Application characteristics

1. Rated AC Voltage  $U_0/U$ :300/500V
2. The highest operating temperature of cores:  
PE insulation:70℃  
Cross-linked polyethylene:90℃
3. The lowest environment temperature after installation:Fixed laying-40℃;Non-Fixed laying-15℃  
(Note:It's not the environment temperature during installation)
4. Mounting and laying temperature:Not under 0℃
5. Permitted minimum bending radius:  
Not smaller than 6 times the outer diameter for non-armoured or braid armoured cable and 12 times the outer diameter for copper tape shielded or steel wire winding, steel tape wrapping armoured cable.





项目 Item	代号 Code	代号含义 Code Indication
铠装材料 Armour Material	22	绕包钢带铠装聚氯乙烯护套 Steel tape wrapped armour PVC sheath
	23	绕包钢带铠装聚乙烯护套 Steel tape wrapped armour polyolefin sheath
	32	缠绕钢丝铠装聚氯乙烯护套 Winding steel wire armour PVC sheath
	33	缠绕钢丝铠装聚乙烯护套 Winding steel wire armour polyolefin sheath
	92	编织钢丝铠装聚氯乙烯护套 Braided steel wire armour PVC sheath
	93	编织钢丝铠装聚乙烯护套 Braided steel wire armour polyolefin sheath
耐热等级 Heat-resistant degree	70	最高工作温度70℃ (可省略) The highest operating temperature is 70℃(Omission)
	90	最高工作温度90℃ The highest operating temperature is 90℃
导体种类 Conductor Type	A	单股导体 Single Conductor(class 1)
	B	2类绞合导体 (A、B两种在规格后括号中表示) 2 stranded conductor(indicated in the bracket behind specification for A,B type)
	R	多股绞合导体 Multiple threads stranded Conductor(class 5)
规格 Specification		对数 (或组数) × 每对 (或组) 芯数 × 导体线芯标称截面mm <sup>2</sup> No. of pairs(or units) × No. of cores × Nom. cross section area of conductor mm <sup>2</sup>
		对数 (或组数): 1, 2, 3, ……24 No of pairs(or units): 1, 2, 3, ……24
		每对 (或组数) 芯数: 2, 3 No. of cores in each unit: 2, 3
	Nominal	导体线芯截面: 0.5, 0.75, 1.0, 1.5, 2.5 Cross section area of conductor: 0.5, 0.75, 1.0, 1.5, 2.5
注: 根据上述所列电动型仪表信号电缆的型号说明, 可以选择各种组合以满足需要。 Note: Cable of combined code is available according to the above identification illustration.		



### 七、标注举例

1.铜芯聚乙烯绝缘、聚氯乙烯护套,铜线或镀锡铜线编织屏蔽电动仪表信号电缆有7个线对,导体线芯截面为1.0mm<sup>2</sup>,选用单胶无芯铜导体表示为: DYVP 7×2×1.0 (A)

选用2类绞合铜导体 (7股绞合) 表示为: DYVP 7×2×1.0 (B)

### VII. Identification example

1.Copper core.PE insulated and PVC sheathed,Copper wire or tinned copper wire braiding shield electromotive instrumental signal cable,7 pairs,and nominal cross section area of conductor 1.0mm<sup>2</sup>;Single solid conductor,indicated as:DYVP 7×2×1.0 (A),7 stranded conductor,indicated as DYVP 7×2×1.0 (B)

### 八、结构尺寸及参考重量

#### VIII. Structure size and reference weight

1.DYVP,DYVP<sub>3</sub>,DYVP<sub>2</sub>,DYVRP,DYVRP<sub>3</sub>,DYVRP<sub>2</sub>,DYJVP,DYJVP<sub>3</sub>,DYJVP<sub>2</sub>,DYJVRP,DYJVRP<sub>3</sub>,DYJVRP<sub>2</sub>

线对数X2X标称截面 NO. of pairs × 2 × NOM. cross-section area (mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of conductor (NO. of threads/NOM. dia. of single wires)			参考外径 Reference outer dia.(mm)		参考重量 Reference weight(kg/km)	
	A	B	R	DYV(R)P DYJV(R)P	DYV(R)P3 DYV(R)P2 DYJV(R)P3 DYJV(R)P2	DYV(R)P DYJV(R)P	DYV(R)P3 DYV(R)P2 DYJV(R)P3 DYJV(R)P2
1×2×0.5	1/0.80	7/0.30	16/0.2	8.0	-	60	42
1×2×0.75	1/0.97	7/0.37	24/0.2	8.5	8.1	68	49
1×2×1.0	1/1.13	7/0.43	32/0.2	9.0	8.6	78	58
1×2×1.5	1/1.38	7/0.52	30/0.25	9.8	9.4	96	74
1×2×2.5	1/1.78	7/0.68	50/0.25	11.0	10.6	127	104
2×2×0.5	1/0.80	7/0.30	16/0.2	11.3	10.9	105	80
2×2×0.75	1/0.97	7/0.37	24/0.2	12.5	12.2	129	101
2×2×1.0	1/1.13	7/0.43	32/0.2	13.3	13.0	152	123
2×2×1.5	1/1.38	7/0.52	30/0.25	15.2	14.7	236	203
2×2×2.5	1/1.78	7/0.68	50/0.25	17.3	16.8	260	233
3×2×0.5	1/0.80	7/0.30	16/0.2	11.9	11.4	126	99
3×2×0.75	1/0.97	7/0.37	24/0.2	12.9	12.4	161	131
3×2×1.0	1/1.13	7/0.43	32/0.2	13.8	13.3	187	156
3×2×1.5	1/1.38	7/0.52	30/0.25	15.9	15.4	238	203
3×2×2.5	1/1.78	7/0.68	50/0.25	18.1	17.6	332	293
4×2×0.5	1/0.80	7/0.30	16/0.2	12.9	12.4	157	127
4×2×0.75	1/0.97	7/0.37	24/0.2	14.0	13.7	196	163
4×2×1.0	1/1.13	7/0.43	32/0.2	15.1	14.6	228	194
4×2×1.5	1/1.38	7/0.52	30/0.25	17.2	16.9	294	256
4×2×2.5	1/1.78	7/0.68	50/0.25	19.7	19.2	442	380
5×2×0.5	1/0.80	7/0.30	16/0.2	13.9	13.4	184	152
5×2×0.75	1/0.97	7/0.37	24/0.2	15.5	15.0	233	198
5×2×1.0	1/1.13	7/0.43	32/0.2	16.4	15.9	273	235
5×2×1.5	1/1.38	7/0.52	30/0.25	18.7	18.2	364	321
5×2×2.5	1/1.78	7/0.68	50/0.25	21.5	21.0	539	471
7×2×0.5	1/0.80	7/0.30	16/0.2	-	14.5	228	193
7×2×0.75	1/0.97	7/0.37	24/0.2	17.3	16.6	291	253
7×2×1.0	1/1.13	7/0.43	32/0.2	18.7	18.3	355	313
7×2×1.5	1/1.38	7/0.52	30/0.25	20.8	20.5	485	420
7×2×2.5	1/1.78	7/0.68	50/0.25	24.0	23.6	693	619

导体的结构作为参考, 可以调整, 只要其结构符合IEC60228的相关要求, 和其直流电阻满足产品要求。

The structure of conductor is reference and allowable to be modified if it complies with the related standard and its resistance meets the product requirement.



线对数X2X标称截面 NO. of pairs x 2 x NOM. cross-section area (mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of conductor (NO. of threads/NOM. dia. of single wires)			参考外径 Reference outer dia.(mm)		参考重量 Reference weight(kg/km)	
	A	B	R	DYV(R)P DYJV(R)P	DYV(R)P3 DYV(R)P2 DYJV(R)P3 DYJV(R)P2	DYV(R)P DYJV(R)P	DYV(R)P3 DYV(R)P2 DYJV(R)P3 DYJV(R)P2
8x2x0.5	1/0.80	7/0.30	16/0.2	16.1	15.6	261	224
8x2x0.75	1/0.97	7/0.37	24/0.2	19.0	18.5	345	303
8x2x1.0	1/1.13	7/0.43	32/0.2	20.5	19.7	431	367
8x2x1.5	1/1.38	7/0.52	30/0.25	22.8	22.3	560	489
8x2x2.5	1/1.78	7/0.68	50/0.25	26.3	25.8	810	729
10x2x0.5	1/0.80	7/0.30	16/0.2	19.1	18.6	361	298
10x2x0.75	1/0.97	7/0.37	24/0.2	22.0	21.6	459	390
10x2x1.0	1/1.13	7/0.43	32/0.2	24.2	23.7	549	474
10x2x1.5	1/1.38	7/0.52	30/0.25	26.2	25.7	714	630
10x2x2.5	1/1.78	7/0.68	50/0.25	31.0	30.1	1105	951
12x2x0.5	1/0.80	7/0.30	16/0.2	19.8	19.3	401	336
12x2x0.75	1/0.97	7/0.37	24/0.2	23.0	22.5	512	440
12x2x1.0	1/1.13	7/0.43	32/0.2	25.1	24.4	616	538
12x2x1.5	1/1.38	7/0.52	30/0.25	28.0	27.3	805	719
12x2x2.5	1/1.78	7/0.68	50/0.25	32.4	31.5	1245	1090
14x2x0.5	1/0.80	7/0.30	16/0.2	21.8	21.3	447	379
14x2x0.75	1/0.97	7/0.37	24/0.2	23.6	23.1	584	507
14x2x1.0	1/1.13	7/0.43	32/0.2	25.5	25.0	694	613
14x2x1.5	1/1.38	7/0.52	30/0.25	29.0	28.5	975	830
14x2x2.5	1/1.78	7/0.68	50/0.25	33.5	33.0	1410	1245
16x2x0.5	1/0.80	7/0.30	16/0.2	22.8	22.3	504	432
16x2x0.75	1/0.97	7/0.37	24/0.2	24.8	24.3	651	570
16x2x1.0	1/1.13	7/0.43	32/0.2	26.8	26.3	775	690
16x2x1.5	1/1.38	7/0.52	30/0.25	31.0	30.5	1105	950
16x2x2.5	1/1.78	7/0.68	50/0.25	35.8	35.3	1595	1420
19x2x0.5	1/0.80	7/0.30	16/0.2	23.9	23.4	570	494
19x2x0.75	1/0.97	7/0.37	24/0.2	26.0	25.5	738	654
19x2x1.0	1/1.13	7/0.43	32/0.2	28.1	27.6	897	806
19x2x1.5	1/1.38	7/0.52	30/0.25	32.5	32.0	1275	1110
19x2x2.5	1/1.78	7/0.68	50/0.25	37.6	37.1	1830	1645
24x2x0.5	1/0.80	7/0.30	16/0.2	27.9	27.4	729	641
24x2x0.75	1/0.97	7/0.37	24/0.2	31.0	30.5	1035	876
24x2x1.0	1/1.13	7/0.43	32/0.2	33.5	33.0	1250	1080
24x2x1.5	1/1.38	7/0.52	30/0.25	38.1	37.6	1630	1820
24x2x2.5	1/1.78	7/0.68	50/0.25	44.2	43.7	2345	2130

2.DYVP,DYVP<sub>3</sub>,DYVP<sub>2</sub>,DYVRP,DYVRP<sub>3</sub>,DYVRP<sub>2</sub>,DYJVP,DYJVP<sub>3</sub>,DYJVP<sub>2</sub>,DYJVRP,DYJVRP<sub>3</sub>,DYJVRP<sub>2</sub>

(三线组)

线组数X3X标称截面 NO. of triads x 3 x NOM. cross-section area (mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of conductor (NO. of threads/NOM. dia. of single wires)			参考外径 Reference outer dia.(mm)		参考重量 Reference weight(kg/km)	
	A	B	R	DYV(R)P DYJV(R)P	DYV(R)P3 DYV(R)P2 DYJV(R)P3 DYJV(R)P2	DYV(R)P DYJV(R)P	DYV(R)P3 DYV(R)P2 DYJV(R)P3 DYJV(R)P2
1x3x0.5	1/0.80	7/0.30	16/0.2	8.3	7.9	69	50
1x3x0.75	1/0.97	7/0.37	24/0.2	8.9	8.5	82	63
1x3x1.0	1/1.13	7/0.43	32/0.2	9.4	9.0	96	75
1x3x1.5	1/1.38	7/0.52	30/0.25	10.3	9.9	118	96
1x3x2.5	1/1.78	7/0.68	50/0.25	11.6	11.2	162	137
2x3x0.5	1/0.80	7/0.30	16/0.2	11.9	11.4	130	103
2x3x0.75	1/0.97	7/0.37	24/0.2	13.9	13.4	169	138
2x3x1.0	1/1.13	7/0.43	32/0.2	14.8	14.3	198	169
2x3x1.5	1/1.38	7/0.52	30/0.25	16.4	15.9	248	211
2x3x2.5	1/1.78	7/0.68	50/0.25	19.2	18.7	354	312
3x3x0.5	1/0.80	7/0.30	16/0.2	12.5	12.1	164	134
3x3x0.75	1/0.97	7/0.37	24/0.2	14.6	14.1	208	175
3x3x1.0	1/1.13	7/0.43	32/0.2	15.6	15.1	249	217
3x3x1.5	1/1.38	7/0.52	30/0.25	17.8	17.3	315	277
3x3x2.5	1/1.78	7/0.68	50/0.25	20.2	19.7	500	434
4x3x0.5	1/0.80	7/0.30	16/0.2	14.5	14.0	200	168
4x3x0.75	1/0.97	7/0.37	24/0.2	15.8	15.3	255	220
4x3x1.0	1/1.13	7/0.43	32/0.2	17.2	16.7	309	271
4x3x1.5	1/1.38	7/0.52	30/0.25	19.2	18.7	426	365
4x3x2.5	1/1.78	7/0.68	50/0.25	22.5	22.0	603	534
5x3x0.5	1/0.80	7/0.30	16/0.2	15.6	15.1	237	202
5x3x0.75	1/0.97	7/0.37	24/0.2	17.0	16.5	315	275
5x3x1.0	1/1.13	7/0.43	32/0.2	18.7	18.2	382	340
5x3x1.5	1/1.38	7/0.52	30/0.25	21.1	20.6	512	445
5x3x2.5	1/1.78	7/0.68	50/0.25	24.6	24.1	739	663
7x3x0.5	1/0.80	7/0.30	16/0.2	16.8	16.3	298	260
7x3x0.75	1/0.97	7/0.37	24/0.2	18.8	18.3	411	351
7x3x1.0	1/1.13	7/0.43	32/0.2	20.4	19.8	511	446
7x3x1.5	1/1.38	7/0.52	30/0.25	23.0	22.5	655	582
7x3x2.5	1/1.78	7/0.68	50/0.25	27.0	26.5	959	876

导体的结构作为参考, 可以调整, 只要其结构符合相关标准要求, 和其直流电阻满足产品要求。

The structure of conductor is reference and allowable to be modified if it complies with the related standard and its resistance meets the product requirement.

线组数X3X标称截面 NO. of triads x 3 x NOM. cross-section area (mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of conductor (NO. of threads/NOM. dia. of single wires)			参考外径 Reference outer dia.(mm)		参考重量 Reference weight(kg/km)	
	A	B	R	DYV(R)P DYJV(R)P	DYV(R)P3 DYV(R)P2 DYJV(R)P3 DYJV(R)P2	DYV(R)P DYJV(R)P	DYV(R)P3 DYV(R)P2 DYJV(R)P3 DYJV(R)P2
8×3×0.5	1/0.80	7/0.30	16/0.2	18.0	17.5	347	306
8×3×0.75	1/0.97	7/0.37	24/0.2	20.4	19.8	472	408
8×3×1.0	1/1.13	7/0.43	32/0.2	22.0	21.5	579	511
8×3×1.5	1/1.38	7/0.52	30/0.25	25.4	24.8	766	686
8×3×2.5	1/1.78	7/0.68	50/0.25	29.2	28.5	1130	1040
10×3×0.5	1/0.80	7/0.30	16/0.2	21.2	20.6	469	400
10×3×0.75	1/0.97	7/0.37	24/0.2	23.8	23.3	616	538
10×3×1.0	1/1.13	7/0.43	32/0.2	26.4	25.8	750	667
10×3×1.5	1/1.38	7/0.52	30/0.25	29.8	29.2	1050	899
10×3×2.5	1/1.78	7/0.68	50/0.25	34.7	33.8	1515	1340
12×3×0.5	1/0.80	7/0.30	16/0.2	22.4	21.9	524	453
12×3×0.75	1/0.97	7/0.37	24/0.2	24.5	24.0	692	612
12×3×1.0	1/1.13	7/0.43	32/0.2	26.3	25.8	850	764
12×3×1.5	1/1.38	7/0.52	30/0.25	30.0	29.5	1155	1005
12×3×2.5	1/1.78	7/0.68	50/0.25	36.5	36.0	1725	1545
14×3×0.5	1/0.80	7/0.30	16/0.2	23.4	22.9	596	520
14×3×0.75	1/0.97	7/0.37	24/0.2	25.6	25.1	780	696
14×3×1.0	1/1.13	7/0.43	32/0.2	27.5	27.0	976	885
14×3×1.5	1/1.38	7/0.52	30/0.25	31.4	30.9	1335	1175
14×3×2.5	1/1.78	7/0.68	50/0.25	38.3	37.8	1955	1770

## 2、集散型仪表信号电缆 (DCS电缆) Instrumental signal Cable for Distributed Control System (DCS Cable)

### 一、产品特点及用途

该产品为计算机控制电缆的升级换代产品,其主要特征在于每个线对(或三线组)均有单独屏蔽,称“分屏”,分屏有铜线或镀锡铜线编织屏蔽、铝塑复合带绕包屏蔽、铜塑复合带绕包屏蔽三种。

用于以电子计算机为主的自动控制系统,尤其适用于计算机集散控制系统,传递生产装置过程变量的检测、控制、联锁、报警等模拟和数字信号。

### I.Characteristics and Application

The product is more advanced than control cable for computer system.Each pair (or triples) of the cable has its own shield.We call it individual “shield”,There are 3 kinds of individual shield.They are copper wires or tinned copper wire braid shield,composite aluminium-plastic tape shield,composite copper-plastic tape or copper tape wrapped shield.

It is used in automatic control system,especially in computer distributed control system,It can transmit various analogue and digital signals of testing,controlling,interlocking,alarm in production process.

### 二、产品执行标准

参照 EN50288-7

### II.Implemented standard

Refer to EN50288-7

### 三、使用特征

- 1.交流额定电压 $U_0/U$ :300/500V
- 2.电缆最高工作温度:聚乙烯绝缘 70℃  
交联聚乙烯绝缘 90℃
- 3.安装后的最低环境温度:固定敷设-40℃;非固定敷设-15℃。(注意:不是安装时的环境温度)
- 4.安装敷设温度:不低于0℃
- 5.电缆允许最小弯曲半径:非铠装或编织铠装电缆不小于电缆外径的6倍  
铜带屏蔽或钢丝钢带缠绕铠装电缆允许弯曲半径不小于电缆外径的12倍

### III.Application characteristics

- 1.Rated AC Voltage  $U_0/U$ :300/500V
- 2.The highest operating temperature of cores:  
PE insulation:70℃;Cross-linked polyethylene:90℃
- 3.The lowest environment temperature after installation:Fixed laying-40℃;Non-Fixed laying-15℃  
(Note:It's not the environment temperature during installation)
- 4.Mounting and laying temperature:Not under 0℃
- 5.Permitted minimum bending radius:  
Not smaller than 6 times the outer diameter for non-armoured,or braid armoureds cable and 12 times the outer diameter for copper tape shielded,steel wire armored,steel tape armoured cables.



四、主要技术指标

IV. Main technical parameters

性能项目 Property items	单位 unit	指标 Index					
最大导体线芯直流电阻 (20℃) MAX. Conductor DC. resistance at 20℃	Ω/km	标称截面mm <sup>2</sup> NOM. Cross-section area	0.5	0.75	1.0	1.5	2.5
		A类导体 A type conductor	36	24.5	18.1	12.1	7.41
		B类导体 B type conductor	36	24.5	18.1	12.1	7.41
		R类导体 R type conductor	39	26	19.5	13.3	7.98
20℃时最小绝缘电阻 MIN. Insulation resistance at 20℃	MΩ · km	1000					
试验电压 Dielectric strength	V	AC.2000V/1min					
工作电容 Mutual capacitance(1kHz)	pF/m	<150					
电容不平衡(1kHz) Capacitance unbalance	pF/m	500pF/500m					
电感电阻比 Inductance/resistance ratio(L/R)	μ H/Ω	对于小于等于1.0mm <sup>2</sup> (for up to 1.0mm <sup>2</sup> )	<25 μ H/Ω				
		对于1.5mm <sup>2</sup> (for 1.5mm <sup>2</sup> )	<40 μ H/Ω				
		对于2.5mm <sup>2</sup> (for 2.5mm <sup>2</sup> )	<60 μ H/Ω				
阻燃特性 (只针对阻燃电缆) Flame-retardant characteristics (Only for Flame-retardant cables)		按照GB/T19666和GB/T18380分为ZA、ZB、ZC					

注: 多对电缆允许最大电阻值增加2%

五、基本型号及名称

V. Basic type and product name

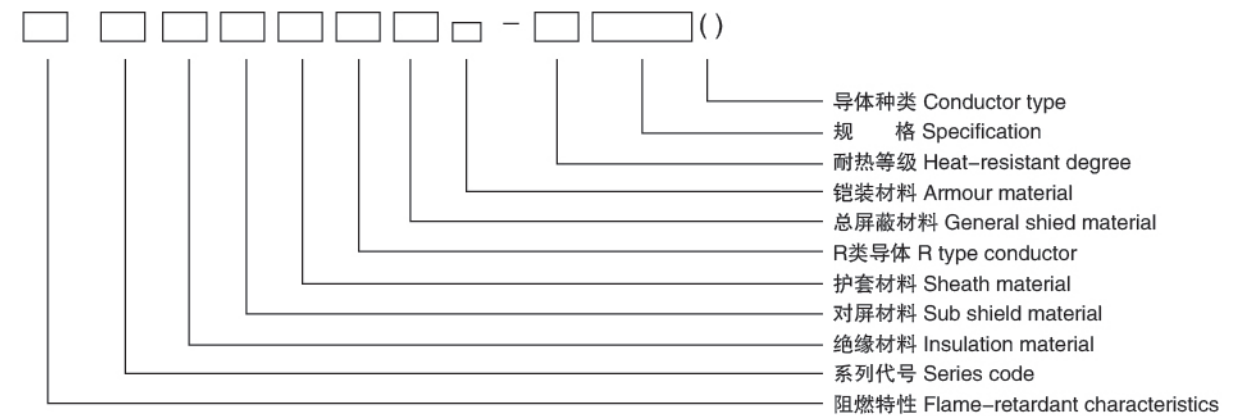
型号 Type	产品名称 Product Name
JYPV	铜芯聚乙烯绝缘聚氯乙烯护套铜线或镀锡铜线编织分屏蔽集散型仪表信号电缆 Copper core PE insulated and PVC sheathed copper wire or tinned copper wire braid sub shield instrumental signal cable for distributed control system.
JYPVR	铜芯聚乙烯绝缘聚氯乙烯护套铜线或镀锡铜线编织分屏蔽集散型仪表信号软电缆 Copper core PE insulated and PVC sheathed copper wire or tinned copper wire braid sub shield instrumental flexible cable for distributed control system.
JYPVP	铜芯聚乙烯绝缘聚氯乙烯护套铜线或镀锡铜线编织分屏总屏蔽集散型仪表信号电缆 Copper core PE insulated and PVC sheathed copper wire or tinned copper wire braid sub plus collective shield instrumental signal cable for distributed control system.
JYPVRP	铜芯聚乙烯绝缘聚氯乙烯护套铜线或镀锡铜线编织分屏总屏蔽集散型仪表信号软电缆 Copper core PE insulated and PVC sheathed copper wire or tinned copper braid sub plus collective shield instrumental signal flexible cable for distributed control system.
JYP <sub>3</sub> V	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏集散型仪表信号电缆 Copper core PE insulated and PVC sheathed composite aluminium-plastic tape wrapped sub instrumental signal cable for distributed control system.
JYP <sub>3</sub> VR	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏集散型仪表信号软电缆 Copper core PE insulated and PVC sheathed composite aluminium-plastic tape wrapped sub shield instrumental signal flexible cable for distributed control system.
JYP <sub>3</sub> VP <sub>3</sub>	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏总屏蔽集散型仪表信号电缆 Copper core PE insulated and PVC sheathed composite aluminium-plastic tape wrapped sub shield instrumental signal soft cable for distributed control system.
JYP <sub>3</sub> VRP <sub>3</sub>	铜芯聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏总屏蔽集散型仪表信号修枕电缆 Copper core PE insulated and PVC sheathed composite aluminium-plastic tape wrapped sub plus shield instrumental signal cable for distributed control system.
JYP <sub>2</sub> V	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏型仪表信号电缆 Copper core PE insulated and PVC sheathed composite aluminium-plastic tape wrapped sub plus shield instrumental signal cable for distributed control system.
JYP <sub>2</sub> VR	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏集散型仪表信号软电缆 Copper core PE insulated and PVC sheathed composite copper-plastic tape wrapped sub shield instrumental signal cable for distributed control system.
JYP <sub>2</sub> VP <sub>2</sub>	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏屏蔽铜带总屏蔽集散型仪表信号电缆 Copper core PE insulated and PVC sheathed composite copper-plastic tape wrapped sub shield instrumental signal soft cable for distributed control system.
JYP <sub>2</sub> VRP <sub>2</sub>	铜芯聚乙烯绝缘聚氯乙烯护套铜塑复合带分屏屏蔽铜带总屏蔽集散型仪表信号软电缆 Copper core PE insulated and PVC sheathed composite copper-plastic tape sub plus copper tape general shield instrumental signal cable for distributed control system.

型号 Type	产品名称 Product Name
JYJPV	铜芯交联聚乙烯绝缘聚氯乙烯护套铜线或镀锡铜线编织分屏蔽集散型仪表信号电缆 Copper core XLPE insulated and PVC sheathed copper wire or tin plated copper wire braid individual shield instrumental signal cable for distributed control system.
JYJPVR	铜芯交联聚乙烯绝缘聚氯乙烯护套铜线或镀锡铜线编织分屏蔽集散型仪表信号软电缆 Copper core XLPE insulated and PVC sheathed copper wire or tin plated copper wire braid individual shield instrumental signal soft cable for distributed control system.
JYJPVP	铜芯交联聚乙烯绝缘聚氯乙烯护套铜线或镀锡铜线编织分屏总屏蔽集散型仪表信号电缆 Copper core XLPE insulated and PVC sheathed copper wire or tin plated copper wire braid individual plus general shield instrumental signal cable for distributed control system.
JYJPVRP	铜芯交联聚乙烯绝缘聚氯乙烯护套铜线或镀锡铜线编织分屏总屏蔽集散型仪表信号软电缆 Copper core XLPE insulated and PVC sheathed copper wire or tin plated copper wire braid individual shield instrumental signal cable for distributed control system.
JYJP <sub>3</sub> V	铜芯交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏集散型仪表信号电缆 Copper core XLPE insulated and PVC sheathed composite aluminium-plastic tape wrapped individual shield instrumental signal cable for distributed control system.
JYJP <sub>3</sub> VR	铜芯交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏集散型仪表信号软电缆 Copper core XLPE insulated and PVC sheathed composite aluminium-plastic tape wrapped individual shield instrumental signal soft cable for distributed control system.
JYJP <sub>3</sub> VP <sub>3</sub>	铜芯交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏总屏蔽集散型仪表信号电缆 Copper core XLPE insulated and PVC sheathed composite aluminium-plastic tape wrapped individual plus general shield instrumental signal cable for distributed control system.
JYJP <sub>3</sub> VRP <sub>3</sub>	铜芯交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏总屏蔽集散型仪表信号软电缆 Copper core XLPE insulated and PVC sheathed composite aluminium-plastic tape wrapped individual plus general shield instrumental signal cable for distributed control system.
JYJP <sub>2</sub> V	铜芯交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏集散型仪表信号电缆 Copper core XLPE insulated and PVC sheathed composite copper-plastic tape individual shield instrumental signal cable for distributed control system.
JYJP <sub>2</sub> VR	铜芯交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏集散型仪表信号软电缆 Copper core XLPE insulated and PVC sheathed composite copper-plastic tape wrapped individual shield instrumental signal soft for distributed control system.
JYJP <sub>2</sub> VRP <sub>2</sub>	铜芯交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏铜带绕包总屏蔽集散型仪表信号电缆 Copper core XLPE insulated and PVC sheathed composite copper-plastic tape individual plus copper tape general shield instrumental signal cable for distributed control system.
JYJP <sub>2</sub> VRP <sub>2</sub>	铜芯交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏铜带绕包总屏蔽集散型仪表信号软电缆 Copper core XLPE insulated and PVC sheathed composite copper-plastic tape plus copper tape shield instrumental signal soft cable for distributed control system.

P2 代表铜带或者铜/塑复合带。订货时请注明。  
P2 stands for copper tape or composite copper/plastic tape. Please indicate when ordering.  
对于分屏蔽材料, 推荐采用铜/塑复合带。  
For the individual screen, We recommend composite copper/plastic tape.

六、型号说明

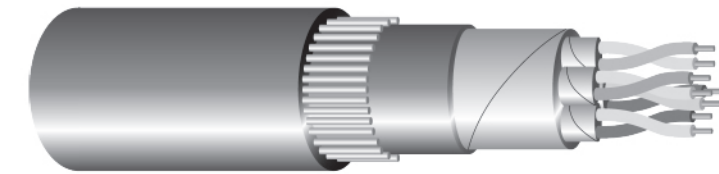
VI. Type illustration



● 代号名称及含义  
● Code and its indication

项目 Item	代号 Code	代号含义 Code Indication
阻燃特性 Flame-proof Characteristics	/	非阻燃可省略 Non flame-proof(omission)
	ZA	A类阻燃 Class A flame-proof
	ZB	B类阻燃 Class B flame-proof
	ZC	C类阻燃 Class C flame-proof
	WDZ	无卤低烟阻燃 Halogen-free and low smoke flame proof
	说明 Illustration	成束燃烧试验为A,B,C三级, 其中A级最优, 低烟无卤电缆也为A,B,C三级, 如WDZB. Among the bundle-burning test class A,B,C class A is the best. Low-smoke halogen-free cable is also classified to class A,B,C, for example WDZB.
系列代号 Seried Code	J	集散型仪表信号电缆 (DCS电缆) Instrumental signal cable for distributed control system (DCS cablc)
绝缘材料 Insulation Material	Y	聚乙烯 PE
	YJ	交联聚乙烯 XLPE
护套材料 Sheath Material	Y	聚乙烯或者聚烯烃材料 PE or polyolefin
	V	聚氯乙烯、阻燃聚氯乙烯 PVC、flame-proof PVC
屏蔽材料 Shield Material	P	铜线或镀锡铜线编织 Composite wire or tin plated copper wire braid
	P <sub>3</sub>	铝塑复合带 Composite aluminium-plastic tape
	P <sub>2</sub>	铜带复合带或铜塑 Composite copper-plastic tape.
铠装材料 Armour Material	22	绕包钢带铠装聚氯乙烯类护套 Steel tape wrapped armour PVC sheath.
	23	绕包钢带铠装聚乙烯或聚烯烃类护套 Steel tape wrapped armour PE or LSOH sheath.
	32	绕包钢丝铠装聚氯乙烯类护套 Winding steel wrapped armour PVC sheath.
	33	绕包钢丝铠装聚乙烯或聚烯烃类护套 Winding steel wrapped armour PE or LSOH sheath.
	92	编织钢丝铠装聚氯乙烯类护套 Braided steel wire armour PVC sheath.
	93	编织钢丝铠装聚乙烯或聚烯烃类护套 Braided steel wire armour , PE or LSOH sheath.

项目 Item	代号 Code	代号含义 Code Indication
耐热等级 Heat-resistant degree	70	最高工作温度70℃ (可省略) The highest operating temperature is 70℃(Omission)
	90	最高工作温度90℃ The highest operating temperature is 90℃
导体种类 Conductor Type	A	单股导体 Single thread Conductor
	B	7股绞合导体 (A、B两种在规格后括号中表示) 7 threads stranded conductor(indicated in the bracket behind the specification for A,B type)
	R	多股绞合导体 Multiple threads stranded Conductor
规格 Specification		对数 (或组数) × 每对 (或组) 芯数 × 导体线芯标称截面mm <sup>2</sup> No. of pairs(or banks) × No. of cores × Standard cross section of conductor mm <sup>2</sup>
		对数 (或组数) : 1, 2, 3, ……24 No of pairs(or banks): 1, 2, 3, ……24
		每对 (或组) 芯数: 2, 3 No. of cores : 2, 3
		导体线芯截面: 0.5, 0.75, 1.0, 1.5, 2.5 Standard cross section of conductor: 0.5, 0.75, 1.0, 1.5, 2.5
注: 根据上述所列电动型仪表信号电缆的型号说明, 可以选择各种组合以满足需要。 Note: Cable of combined code is available according to the above identification illustration.		



七、标注举例

1.铜芯聚乙烯绝缘聚氯乙烯护套, 铝塑复合带绕包屏蔽分屏总屏集散型仪表信号电缆, 导体线芯标称截面为1.0mm<sup>2</sup>, 有5个3线组, 导体线芯采用单股铜线 1.13mm; 表示为: JYP3VP3 5 × 3 × 1.0 (A)

2.铜芯聚乙烯绝缘聚氯乙烯护套, 铜塑复合带对屏铜带总屏集散型仪表信号电缆, 有10个线对, 导体线芯截面为1.0mm<sup>2</sup>, 线芯7股单股直径 0.43mm胶合, 表示为: JYP<sub>2</sub>VP<sub>2</sub> 10 × 2 × 1.0 (B)

VII. Identification example

1. Copper core. PE insulated and PVC sheathed, composite aluminium-plastic tape wrapped individual plus general shield instrumental signal cable for DSC, standard cross section of conductor 1.0mm<sup>2</sup> five banks of three cores, signal thread copper core with diameter of 1.3mm, indicated as: JYP3VP3 5 × 3 × 1.0 (A)

2. Copper core. PE insulated PVC sheathed, composite copper-plastic tape individual plus general shield instrumental signal cable for DSC, 10 pairs, standard cross section of conductor 1.0mm<sup>2</sup>, 7 core of signal thread with diameter of 0.43mm stranded, indicated as: JYP<sub>2</sub>VP<sub>2</sub> 10 × 2 × 1.0 (B)



八、结构尺寸及参考重量

VIII. Structure size and reference weight

1. 对绞式: JYPV, JYP<sub>3</sub>V, JYP<sub>2</sub>V, JYP<sub>3</sub>VR, JYP<sub>2</sub>VR, JYJPV, JYJP<sub>3</sub>V, JYJP<sub>2</sub>V, JYJPVR, JYJP<sub>3</sub>VR, JYJP<sub>2</sub>VR

线对数X2X标称截面 NO. of pairs × 2 × NOM. cross-section area (mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of conductor (NO. of threads/NOM. dia. of single wires)			参考外径 Reference outer dia.(mm)		参考重量 Reference weight(kg/km)	
	A	B	R	JYPV(R) JYJPV(R)	JYP3V(R) JYP2V(R) JYJP3V(R) JYJP2V(R)	JYPV(R) JYJPV(R)	JYP3V(R) JYP2V(R) JYJP3V(R) JYJP2V(R)
2 × 2 × 0.5	1/0.80	7/0.30	16/0.2	13.4	12.5	114	96
2 × 2 × 0.75	1/0.97	7/0.37	24/0.2	14.4	13.7	137	119
2 × 2 × 1.0	1/1.13	7/0.43	32/0.2	15.3	14.4	159	136
2 × 2 × 1.5	1/1.38	7/0.52	30/0.25	16.8	16.0	200	175
2 × 2 × 2.5	1/1.78	7/0.68	50/0.25	19.1	17.9	263	245
3 × 2 × 0.5	1/0.80	7/0.30	16/0.2	14.1	13.2	143	120
3 × 2 × 0.75	1/0.97	7/0.37	24/0.2	15.4	14.5	177	155
3 × 2 × 1.0	1/1.13	7/0.43	32/0.2	16.2	15.3	204	182
3 × 2 × 1.5	1/1.38	7/0.52	30/0.25	17.6	16.9	260	232
3 × 2 × 2.5	1/1.78	7/0.68	50/0.25	20.6	19.6	355	322
4 × 2 × 0.5	1/0.80	7/0.30	16/0.2	15.4	14.4	179	154
4 × 2 × 0.75	1/0.97	7/0.37	24/0.2	16.8	15.8	223	195
4 × 2 × 1.0	1/1.13	7/0.43	32/0.2	17.5	16.7	259	230
4 × 2 × 1.5	1/1.38	7/0.52	30/0.25	20.2	19.1	342	306
4 × 2 × 2.5	1/1.78	7/0.68	50/0.25	22.5	21.4	476	436
5 × 2 × 0.5	1/0.80	7/0.30	16/0.2	16.8	15.7	218	189
5 × 2 × 0.75	1/0.97	7/0.37	24/0.2	18.7	17.2	264	239
5 × 2 × 1.0	1/1.13	7/0.43	32/0.2	20.0	18.8	328	290
5 × 2 × 1.5	1/1.38	7/0.52	30/0.25	22.1	20.9	419	376
5 × 2 × 2.5	1/1.78	7/0.68	50/0.25	24.9	23.4	592	535
7 × 2 × 0.5	1/0.80	7/0.30	16/0.2	18.6	17.0	272	243
7 × 2 × 0.75	1/0.97	7/0.37	24/0.2	20.6	19.3	366	320
7 × 2 × 1.0	1/1.13	7/0.43	32/0.2	21.8	20.4	426	376
7 × 2 × 1.5	1/1.38	7/0.52	30/0.25	24.5	22.7	558	490
7 × 2 × 2.5	1/1.78	7/0.68	50/0.25	27.1	26.0	783	718

导体的结构作为参考, 可以调整, 只要其结构符合相关标准要求, 和其直流电阻满足产品要求。

The structure of conductor is reference and allowable to be modified if it complies with the related standard and its resistance meets the product requirement.

线对数X2X标称截面 NO. of pairs × 2 × NOM. cross-section area (mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of conductor (NO. of threads/NOM. dia. of single wires)			参考外径 Reference outer dia.(mm)		参考重量 Reference weight(kg/km)	
	A	B	R	JYPV(R) JYJPV(R)	JYP3V(R) JYP2V(R) JYJP3V(R) JYJP2V(R)	JYPV(R) JYJPV(R)	JYP3V(R) JYP2V(R) JYJP3V(R) JYJP2V(R)
8 × 2 × 0.5	1/0.80	7/0.30	16/0.2	20.4	18.9	340	293
8 × 2 × 0.75	1/0.97	7/0.37	24/0.2	22.3	20.8	427	372
8 × 2 × 1.0	1/1.13	7/0.43	32/0.2	23.9	22.1	506	440
8 × 2 × 1.5	1/1.38	7/0.52	30/0.25	26.4	25.0	649	583
8 × 2 × 2.5	1/1.78	7/0.68	50/0.25	30.0	28.1	905	839
10 × 2 × 0.5	1/0.80	7/0.30	16/0.2	24.2	22.1	443	374
10 × 2 × 0.75	1/0.97	7/0.37	24/0.2	26.5	24.7	554	482
10 × 2 × 1.0	1/1.13	7/0.43	32/0.2	29.8	26.3	656	572
10 × 2 × 1.5	1/1.38	7/0.52	30/0.25	31.4	29.9	813	756
10 × 2 × 2.5	1/1.78	7/0.68	50/0.25	35.8	33.7	1224	1062
12 × 2 × 0.5	1/0.80	7/0.30	16/0.2	24.9	22.8	485	415
12 × 2 × 0.75	1/0.97	7/0.37	24/0.2	27.1	25.5	609	536
12 × 2 × 1.0	1/1.13	7/0.43	32/0.2	29.3	27.1	700	636
12 × 2 × 1.5	1/1.38	7/0.52	30/0.25	33.6	30.9	983	852
12 × 2 × 2.5	1/1.78	7/0.68	50/0.25	37.4	34.8	1338	1225
14 × 2 × 0.5	1/0.80	7/0.30	16/0.2	26.2	24.3	551	478
14 × 2 × 0.75	1/0.97	7/0.37	24/0.2	29.1	26.8	681	612
14 × 2 × 1.0	1/1.13	7/0.43	32/0.2	31.4	28.5	865	725
14 × 2 × 1.5	1/1.38	7/0.52	30/0.25	35.1	32.5	1088	970
14 × 2 × 2.5	1/1.78	7/0.68	50/0.25	39.3	37.2	1530	1407
16 × 2 × 0.5	1/0.80	7/0.30	16/0.2	27.4	25.6	618	535
16 × 2 × 0.75	1/0.97	7/0.37	24/0.2	31.3	28.3	776	688
16 × 2 × 1.0	1/1.13	7/0.43	32/0.2	33.0	30.7	967	831
16 × 2 × 1.5	1/1.38	7/0.52	30/0.25	37.0	34.2	1218	1085
16 × 2 × 2.5	1/1.78	7/0.68	50/0.25	41.5	39.3	1715	1591
19 × 2 × 0.5	1/0.80	7/0.30	16/0.2	29.4	26.9	697	617
19 × 2 × 0.75	1/0.97	7/0.37	24/0.2	32.0	30.4	952	803
19 × 2 × 1.0	1/1.13	7/0.43	32/0.2	35.2	32.3	1093	956
19 × 2 × 1.5	1/1.38	7/0.52	30/0.25	39.0	36.7	1411	1266
19 × 2 × 2.5	1/1.78	7/0.68	50/0.25	43.7	41.4	1994	1837
24 × 2 × 0.5	1/0.80	7/0.30	16/0.2	35.3	32.0	960	817
24 × 2 × 0.75	1/0.97	7/0.37	24/0.2	38.7	36.0	1208	1066
24 × 2 × 1.0	1/1.13	7/0.43	32/0.2	41.0	38.3	1416	1256
24 × 2 × 1.5	1/1.38	7/0.52	30/0.25	45.5	42.9	1824	1663
24 × 2 × 2.5	1/1.78	7/0.68	50/0.25	51.2	48.6	2585	2394

2. 三线组: JYPV, JYP<sub>3</sub>V, JYP<sub>2</sub>V, JYPVR, JYP<sub>3</sub>VR, JYP<sub>2</sub>VR, JYJPV, JYJP<sub>3</sub>V, JYJP<sub>2</sub>V, JYJPVR, JYJP<sub>3</sub>VR, JYJP<sub>2</sub>VR

线组数X3X标称截面 NO. of triads x 3 x NOM. cross-section area (mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of conductor (NO. of threads/NOM. dia. of single wires)			参考外径 Reference outer dia.(mm)		参考重量 Reference weight(kg/km)	
	A	B	R	JYPV(R) JYJPV(R)	JYP3V(R) JYP2V(R) JYJP3V(R) JYJP2V(R)	JYPV(R) JYJPV(R)	JYP3V(R) JYP2V(R) JYJP3V(R) JYJP2V(R)
2 x 3 x 0.5	1/0.80	7/0.30	16/0.2	14.5	13.6	138	122
2 x 3 x 0.75	1/0.97	7/0.37	24/0.2	15.9	15.0	172	156
2 x 3 x 1.0	1/1.13	7/0.43	32/0.2	16.7	15.8	199	183
2 x 3 x 1.5	1/1.38	7/0.52	30/0.25	18.9	17.6	267	236
2 x 3 x 2.5	1/1.78	7/0.68	50/0.25	21.4	20.4	369	347
3 x 3 x 0.5	1/0.80	7/0.30	16/0.2	15.3	14.4	176	155
3 x 3 x 0.75	1/0.97	7/0.37	24/0.2	16.8	15.9	223	202
3 x 3 x 1.0	1/1.13	7/0.43	32/0.2	17.5	16.7	261	236
3 x 3 x 1.5	1/1.38	7/0.52	30/0.25	20.3	19.3	351	296
3 x 3 x 2.5	1/1.78	7/0.68	50/0.25	22.7	21.7	494	464
4 x 3 x 0.5	1/0.80	7/0.30	16/0.2	16.7	15.7	222	197
4 x 3 x 0.75	1/0.97	7/0.37	24/0.2	18.8	17.4	274	255
4 x 3 x 1.0	1/1.13	7/0.43	32/0.2	20.1	18.9	344	311
4 x 3 x 1.5	1/1.38	7/0.52	30/0.25	22.3	21.1	445	410
4 x 3 x 2.5	1/1.78	7/0.68	50/0.25	25.3	23.8	640	597
5 x 3 x 0.5	1/0.80	7/0.30	16/0.2	18.7	17.1	263	241
5 x 3 x 0.75	1/0.97	7/0.37	24/0.2	20.9	19.6	359	322
5 x 3 x 1.0	1/1.13	7/0.43	32/0.2	22.0	20.7	421	382
5 x 3 x 1.5	1/1.38	7/0.52	30/0.25	24.8	23.1	555	504
5 x 3 x 2.5	1/1.78	7/0.68	50/0.25	27.6	26.5	791	743
7 x 3 x 0.5	1/0.80	7/0.30	16/0.2	20.8	19.2	365	324
7 x 3 x 0.75	1/0.97	7/0.37	24/0.2	22.7	21.3	468	420
7 x 3 x 1.0	1/1.13	7/0.43	32/0.2	24.3	22.5	559	500
7 x 3 x 1.5	1/1.38	7/0.52	30/0.25	27.0	25.6	728	672
7 x 3 x 2.5	1/1.78	7/0.68	50/0.25	31.3	28.9	1100	985

导体的结构作为参考, 可以调整, 只要其结构符合相关标准要求, 和其直流电阻满足产品要求。

The structure of conductor is reference and allowable to be modified if it complies with the related standard and its resistance meets the product requirement.

线组数X3X标称截面 NO. of triads x 3 x NOM. cross-section area (mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of conductor (NO. of threads/NOM. dia. of single wires)			参考外径 Reference outer dia.(mm)		参考重量 Reference weight(kg/km)	
	A	B	R	JYPV(R) JYJPV(R)	JYP3V(R) JYP2V(R) JYJP3V(R) JYJP2V(R)	JYPV(R) JYJPV(R)	JYP3V(R) JYP2V(R) JYJP3V(R) JYJP2V(R)
8 x 3 x 0.5	1/0.80	7/0.30	16/0.2	22.2	20.7	425	378
8 x 3 x 0.75	1/0.97	7/0.37	24/0.2	24.9	23.0	554	491
8 x 3 x 1.0	1/1.13	7/0.43	32/0.2	26.3	24.7	652	594
8 x 3 x 1.5	1/1.38	7/0.52	30/0.25	29.6	27.7	838	786
8 x 3 x 2.5	1/1.78	7/0.68	50/0.25	32.9	31.9	-	-
10 x 3 x 0.5	1/0.80	7/0.30	16/0.2	26.4	24.6	552	490
10 x 3 x 0.75	1/0.97	7/0.37	24/0.2	29.6	27.4	693	639
10 x 3 x 1.0	1/1.13	7/0.43	32/0.2	30.9	29.0	887	759
10 x 3 x 1.5	1/1.38	7/0.52	30/0.25	34.8	33.2	1131	1024
10 x 3 x 2.5	1/1.78	7/0.68	50/0.25	39.7	38.2	1604	1503
12 x 3 x 0.5	1/0.80	7/0.30	16/0.2	27.0	25.4	623	542
12 x 3 x 0.75	1/0.97	7/0.37	24/0.2	30.1	28.3	854	707
12 x 3 x 1.0	1/1.13	7/0.43	32/0.2	31.9	30.5	1003	856
12 x 3 x 1.5	1/1.38	7/0.52	30/0.25	36.0	34.3	1282	1137
12 x 3 x 2.5	1/1.78	7/0.68	50/0.25	41.0	39.5	-	-
14 x 3 x 0.5	1/0.80	7/0.30	16/0.2	29.4	26.7	736	617
14 x 3 x 0.75	1/0.97	7/0.37	24/0.2	31.6	30.4	940	823
14 x 3 x 1.0	1/1.13	7/0.43	32/0.2	33.5	32.1	1113	980
14 x 3 x 1.5	1/1.38	7/0.52	30/0.25	37.9	36.7	1416	1312
14 x 3 x 2.5	1/1.78	7/0.68	50/0.25	43.2	41.6	2034	1936



3.对绞式: JYPVP,JYP<sub>3</sub>VP<sub>3</sub>,JYP<sub>2</sub>VP<sub>2</sub>,JYPVRP,JYP<sub>3</sub>VRP<sub>3</sub>,JYP<sub>2</sub>VRP<sub>2</sub>,JYJPVP,JYJP<sub>3</sub>VP<sub>3</sub>,JYJP<sub>2</sub>VP<sub>2</sub>,JYJPVRP,  
JYJP<sub>3</sub>VRP<sub>3</sub>,JYJP<sub>2</sub>VRP<sub>2</sub>

线对数X2X标称截面 NO. of pairs x 2 x NOM. cross-section area (mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of conductor (NO. of threads/NOM. dia. of single wires)			参考外径 Reference outer dia.(mm)		参考重量 Reference weight(kg/km)	
	A	B	R	JYPV(R)P JYJPV(R)P	JYP3V(R)P3 JYP2V(R)P3 JYJP3V(R)P3 JYJP2V(R)P3	JYPV(R)P JYJPV(R)P	JYP3V(R)P3 JYP2V(R)P3 JYJP3V(R)P3 JYJP2V(R)P3
2x2x0.5	1/0.80	7/0.30	16/0.2	14.0	12.8	175	105
2x2x0.75	1/0.97	7/0.37	24/0.2	15.3	14.2	205	129
2x2x1.0	1/1.13	7/0.43	32/0.2	15.9	14.7	234	148
2x2x1.5	1/1.38	7/0.52	30/0.25	17.6	16.5	287	109
2x2x2.5	1/1.78	7/0.68	50/0.25	19.9	18.2	388	261
3x2x0.5	1/0.80	7/0.30	16/0.2	14.7	13.5	211	131
3x2x0.75	1/0.97	7/0.37	24/0.2	16.2	15.0	256	164
3x2x1.0	1/1.13	7/0.43	32/0.2	16.8	15.6	290	190
3x2x1.5	1/1.38	7/0.52	30/0.25	18.6	17.4	360	243
3x2x2.5	1/1.78	7/0.68	50/0.25	21.4	19.9	503	377
4x2x0.5	1/0.80	7/0.30	16/0.2	16.0	14.7	258	163
4x2x0.75	1/0.97	7/0.37	24/0.2	17.6	16.3	314	206
4x2x1.0	1/1.13	7/0.43	32/0.2	18.3	17.0	359	240
4x2x1.5	1/1.38	7/0.52	30/0.25	21.2	19.6	486	318
4x2x2.5	1/1.78	7/0.68	50/0.25	23.3	21.7	572	449
5x2x0.5	1/0.80	7/0.30	16/0.2	17.4	16.0	308	198
5x2x0.75	1/0.97	7/0.37	24/0.2	19.8	17.8	387	249
5x2x1.0	1/1.13	7/0.43	32/0.2	20.8	19.1	468	300
5x2x1.5	1/1.38	7/0.52	30/0.25	23.2	21.5	584	388
5x2x2.5	1/1.78	7/0.68	50/0.25	25.7	23.7	793	549
7x2x0.5	1/0.80	7/0.30	16/0.2	19.4	17.3	398	248
7x2x0.75	1/0.97	7/0.37	24/0.2	21.7	19.9	516	322
7x2x1.0	1/1.13	7/0.43	32/0.2	22.6	20.7	592	380
7x2x1.5	1/1.38	7/0.52	30/0.25	25.6	23.3	753	493
7x2x2.5	1/1.78	7/0.68	50/0.25	28.1	26.3	1024	716
8x2x0.5	1/0.80	7/0.30	16/0.2	21.2	19.2	460	295
8x2x0.75	1/0.97	7/0.37	24/0.2	23.4	21.4	565	375
8x2x1.0	1/1.13	7/0.43	32/0.2	24.7	22.4	656	443
8x2x1.5	1/1.38	7/0.52	30/0.25	27.0	25.6	823	584
8x2x2.5	1/1.78	7/0.68	50/0.25	31.0	28.4	1149	836

导体的结构作为参考,可以调整,只要其结构符合相关标准要求,和其直流电阻满足产品要求。

The structure of conductor is reference and allowable to be modified if it complies with the related standard and its resistance meets the product requirement.

线对数X2X标称截面 NO. of pairs x 2 x NOM. cross-section area (mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of conductor (NO. of threads/NOM. dia. of single wires)			参考外径 Reference outer dia.(mm)		参考重量 Reference weight(kg/km)	
	A	B	R	JYPV(R)P JYJPV(R)P	JYP3V(R)P3 JYP2V(R)P3 JYJP3V(R)P3 JYJP2V(R)P3	JYPV(R)P JYJPV(R)P	JYP3V(R)P3 JYP2V(R)P3 JYJP3V(R)P3 JYJP2V(R)P3
10x2x0.5	1/0.80	7/0.30	16/0.2	25.0	22.4	589	379
10x2x0.75	1/0.97	7/0.37	24/0.2	27.6	25.4	722	486
10x2x1.0	1/1.13	7/0.43	32/0.2	28.8	26.6	829	575
10x2x1.5	1/1.38	7/0.52	30/0.25	33.4	30.6	1059	759
10x2x2.5	1/1.78	7/0.68	50/0.25	36.8	34.0	1463	1079
12x2x0.5	1/0.80	7/0.30	16/0.2	25.7	23.1	656	428
12x2x0.75	1/0.97	7/0.37	24/0.2	28.5	26.2	809	552
12x2x1.0	1/1.13	7/0.43	32/0.2	30.3	27.4	949	652
12x2x1.5	1/1.38	7/0.52	30/0.25	34.4	31.4	1264	865
12x2x2.5	1/1.78	7/0.68	50/0.25	38.6	35.1	1722	1240
14x2x0.5	1/0.80	7/0.30	16/0.2	27.0	24.6	723	493
14x2x0.75	1/0.97	7/0.37	24/0.2	30.5	27.5	908	628
14x2x1.0	1/1.13	7/0.43	32/0.2	32.4	28.9	1075	743
14x2x1.5	1/1.38	7/0.52	30/0.25	36.8	33.2	1401	986
14x2x2.5	1/1.78	7/0.68	50/0.25	40.5	37.5	1906	1433
16x2x0.5	1/0.80	7/0.30	16/0.2	28.4	25.9	789	555
16x2x0.75	1/0.97	7/0.37	24/0.2	32.7	29.0	1011	709
16x2x1.0	1/1.13	7/0.43	32/0.2	34.0	31.0	1189	853
16x2x1.5	1/1.38	7/0.52	30/0.25	38.7	35.0	1497	1101
16x2x2.5	1/1.78	7/0.68	50/0.25	42.7	39.6	2048	1606
19x2x0.5	1/0.80	7/0.30	16/0.2	30.4	27.2	882	638
19x2x0.75	1/0.97	7/0.37	24/0.2	34.4	31.2	1133	830
19x2x1.0	1/1.13	7/0.43	32/0.2	36.4	32.6	1324	982
19x2x1.5	1/1.38	7/0.52	30/0.25	40.7	37.5	1655	1291
19x2x2.5	1/1.78	7/0.68	50/0.25	44.9	41.7	2272	1863
24x2x0.5	1/0.80	7/0.30	16/0.2	36.5	32.3	1188	843
24x2x0.75	1/0.97	7/0.37	24/0.2	40.5	36.9	1464	1095
24x2x1.0	1/1.13	7/0.43	32/0.2	42.2	38.6	1689	1292
24x2x1.5	1/1.38	7/0.52	30/0.25	47.3	43.7	2136	1683
24x2x2.5	1/1.78	7/0.68	50/0.25	52.4	48.9	2919	2424

4. 三线组: JYPVP, JYP<sub>3</sub>VP<sub>3</sub>, JYP<sub>2</sub>VP<sub>2</sub>, JYPVRP, JYP<sub>3</sub>VRP<sub>3</sub>, JYP<sub>2</sub>VRP<sub>2</sub>, JYJPVP, JYJP<sub>3</sub>VP<sub>3</sub>, JYJP<sub>2</sub>VP<sub>2</sub>, JYJPVRP, JYJP<sub>3</sub>VRP<sub>3</sub>, JYJP<sub>2</sub>VRP<sub>2</sub>

线组数X3X标称截面 NO. of triads x 3 x NOM. cross-section area (mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of conductor (NO. of threads/NOM. dia. of single wires)			参考外径 Reference outer dia.(mm)		参考重量 Reference weight(kg/km)	
	A	B	R	JYPV(R)P JYJPV(R)P	JYP3V(R)P3 JYP2V(R)P3 JYJP3V(R)P3 JYJP2V(R)P3	JYPV(R)P JYJPV(R)P	JYP3V(R)P3 JYP2V(R)P3 JYJP3V(R)P3 JYJP2V(R)P3
2 x 3 x 0.5	1/0.80	7/0.30	16/0.2	15.1	13.9	207	130
2 x 3 x 0.75	1/0.97	7/0.37	24/0.2	16.7	15.5	253	165
2 x 3 x 1.0	1/1.13	7/0.43	32/0.2	17.3	16.1	287	192
2 x 3 x 1.5	1/1.38	7/0.52	30/0.25	19.9	18.1	369	248
2 x 3 x 2.5	1/1.78	7/0.68	50/0.25	20.2	20.7	524	360
3 x 3 x 0.5	1/0.80	7/0.30	16/0.2	15.9	14.7	254	165
3 x 3 x 0.75	1/0.97	7/0.37	24/0.2	17.7	16.4	314	212
3 x 3 x 1.0	1/1.13	7/0.43	32/0.2	18.3	17.0	361	248
3 x 3 x 1.5	1/1.38	7/0.52	30/0.25	21.4	19.8	496	308
3 x 3 x 2.5	1/1.78	7/0.68	50/0.25	23.4	22.0	673	477
4 x 3 x 0.5	1/0.80	7/0.30	16/0.2	17.3	16.0	313	207
4 x 3 x 0.75	1/0.97	7/0.37	24/0.2	19.9	17.9	400	264
4 x 3 x 1.0	1/1.13	7/0.43	32/0.2	20.9	19.2	487	324
4 x 3 x 1.5	1/1.38	7/0.52	30/0.25	23.3	21.6	615	423
4 x 3 x 2.5	1/1.78	7/0.68	50/0.25	26.1	24.1	852	612
5 x 3 x 0.5	1/0.80	7/0.30	16/0.2	19.5	17.4	386	252
5 x 3 x 0.75	1/0.97	7/0.37	24/0.2	21.9	20.2	510	244
5 x 3 x 1.0	1/1.13	7/0.43	32/0.2	22.8	21.0	585	396
5 x 3 x 1.5	1/1.38	7/0.52	30/0.25	25.9	23.7	752	519
5 x 3 x 2.5	1/1.78	7/0.68	50/0.25	28.6	26.8	1036	759
7 x 3 x 0.5	1/0.80	7/0.30	16/0.2	21.4	19.5	488	335
7 x 3 x 0.75	1/0.97	7/0.37	24/0.2	23.8	21.9	610	434
7 x 3 x 1.0	1/1.13	7/0.43	32/0.2	25.1	22.8	716	514
7 x 3 x 1.5	1/1.38	7/0.52	30/0.25	28.1	26.2	913	689
7 x 3 x 2.5	1/1.78	7/0.68	50/0.25	32.3	29.2	1368	1004

导体的结构作为参考, 可以调整, 只要其结构符合相关标准要求, 和其直流电阻满足产品要求。

The structure of conductor is reference and allowable to be modified if it complies with the related standard and its resistance meets the product requirement.

线组数X3X标称截面 NO. of triads x 3 x NOM. cross-section area (mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of conductor (NO. of threads/NOM. dia. of single wires)			参考外径 Reference outer dia.(mm)		参考重量 Reference weight(kg/km)	
	A	B	R	JYPV(R)P JYJPV(R)P	JYP3V(R)P3 JYP2V(R)P3 JYJP3V(R)P3 JYJP2V(R)P3	JYPV(R)P JYJPV(R)P	JYP3V(R)P3 JYP2V(R)P3 JYJP3V(R)P3 JYJP2V(R)P3
8 x 3 x 0.5	1/0.80	7/0.30	16/0.2	23.0	21.0	562	381
8 x 3 x 0.75	1/0.97	7/0.37	24/0.2	26.1	23.6	704	495
8 x 3 x 1.0	1/1.13	7/0.43	32/0.2	27.1	25.0	816	594
8 x 3 x 1.5	1/1.38	7/0.52	30/0.25	31.0	28.3	1100	786
8 x 3 x 2.5	1/1.78	7/0.68	50/0.25	34.9	32.2	1469	1163
10 x 3 x 0.5	1/0.80	7/0.30	16/0.2	27.2	24.9	692	494
10 x 3 x 0.75	1/0.97	7/0.37	24/0.2	31.0	28.1	869	640
10 x 3 x 1.0	1/1.13	7/0.43	32/0.2	32.8	29.3	1060	760
10 x 3 x 1.5	1/1.38	7/0.52	30/0.25	34.4	33.9	1360	1019
10 x 3 x 2.5	1/1.78	7/0.68	50/0.25	41.4	38.5	1869	1459
12 x 3 x 0.5	1/0.80	7/0.30	16/0.2	28.0	25.7	786	561
12 x 3 x 0.75	1/0.97	7/0.37	24/0.2	32.6	29.0	1028	731
12 x 3 x 1.0	1/1.13	7/0.43	32/0.2	33.8	30.8	1180	881
12 x 3 x 1.5	1/1.38	7/0.52	30/0.25	38.6	35.0	1532	1168
12 x 3 x 2.5	1/1.78	7/0.68	50/0.25	42.7	39.8	2123	1723
14 x 3 x 0.5	1/0.80	7/0.30	16/0.2	30.6	27.0	924	639
14 x 3 x 0.75	1/0.97	7/0.37	24/0.2	34.2	31.3	1152	847
14 x 3 x 1.0	1/1.13	7/0.43	32/0.2	36.1	32.4	1355	1005
14 x 3 x 1.5	1/1.38	7/0.52	30/0.25	40.5	37.4	1734	1349
14 x 3 x 2.5	1/1.78	7/0.68	50/0.25	44.9	41.9	2414	1987

电缆格兰选用

Cable Gland Selection

非铠装型 仪表电缆在危险区域使用时 可选配 Bicon A2EX 型 防爆格兰。

Bicon A2EX anti-explosion gland is suitable for unarmored instrumental cable when applied in hazardous area.

缠绕钢丝铠装型 仪表电缆在危险区域使用时 可选配 Bicon E1WF 型 防爆格兰。

Bicon E1WF anti-explosion gland is suitable for steel wire armored instrumental cable when applied in hazardous area.

编织钢丝铠装型 仪表电缆在危险区域使用时 可选配 Bicon E1XF 型 防爆格兰。

Bicon E1XF anti-explosion gland is suitable for braid wire armored instrumental cable when applied in hazardous area.

绕包钢带铠装型 仪表电缆在危险区域使用时 可选配 Bicon E1W-XL 型 防爆格兰。

Bicon E1W-XL anti-explosion gland is suitable for steel tape armored instrumental cable when applied in hazardous area.

请联系 Prysmian 索取 Bicon 格兰的详细信息。

Please contact Prysmian for the detail information of Bicon gland.



# CONTROL CABLES

## 控制电缆

### 一、产品特点及用途

本产品适用于交流额定电压450/750V及以下控制、监控回路及保护线路等场合使用的控制电缆。

#### I.Characteristics and Application

It is used in controlling, monitoring and protecting circuit in which rated AC Voltage is 450/750V or under it.

### 二、产品执行标准

塑料绝缘和护套控制电缆执行 GB/T9330 标准

#### II.Implemented standard

Plastics insulated and sheathed control cable GB/T9330 Standard

### 三、使用特征

- 1.交流额定电压： $U_0/U$ :450/750V
- 2.电缆导体的长期允许工作温度：聚氯乙烯绝缘和护套 70℃  
交联聚乙烯绝缘 90℃
- 3.电缆的安装敷设温度：聚氯乙烯护套电缆不低于0℃
- 4.敷设推荐的允许弯曲半径：非铠装应不小于电缆外径的6倍  
铜带屏蔽或钢丝钢带缠绕铠装电缆应不小于外径的12倍

#### III.Application characteristics

- 1.Rated AC Voltage  $U_0/U$ :450/750V
- 2.Long-term permitted operating temperature of conductor:  
PVC insulation and sheath:70℃  
Cross-linked polyethylene insulation:90℃
- 3.Installation and laying temperature:PVC sheath:Not under 0℃
- 4.Permitted minimum bending radius:  
Not smaller than 6 times outer diameter for non-armoured cable and 12 time outer diameter for copper tape shield or steel wire winding, steel tape wrapping armoured cable.

### 四、主要技术指标

#### IV.Main technical parameters

项目 Items	单位 unit	技术指标 Technical parameters														
20℃时导体 直流电阻≤ Conductor DC Resistance at 20℃	Ω/km	截面 Cross-section	0.5mm <sup>2</sup>		0.75mm <sup>2</sup>		1.0mm <sup>2</sup>		1.5mm <sup>2</sup>		2.5mm <sup>2</sup>		4.0mm <sup>2</sup>		6.0mm <sup>2</sup>	
		镀层 Plated layer	不镀锡 Nontin plated	镀锡 Tin plated	不镀锡 Nontin plated	镀锡 Tin plated	不镀锡 Nontin plated	镀锡 Tin plated	不镀锡 Nontin plated	镀锡 Tin plated	不镀锡 Nontin plated	镀锡 Tin plated	不镀锡 Nontin plated	镀锡 Tin plated	不镀锡 Nontin plated	镀锡 Tin plated
		A,B类 A,B type	36.0	36.7	24.5	24.8	18.1	18.2	12.1	12.2	7.41	7.56	4.61	4.7	3.08	3.11
		R类 R type	39.0	40.1	26.0	26.7	19.5	20.0	13.3	13.7	7.98	8.21	/	/	/	/
电缆允许最高工作 温度时的绝缘电阻≤ Insulation resistance at the allowed highest operating temperature	MΩ·km	PVC类绝缘 PVC insulated	A类 A type	/	0.012	0.011	0.011	0.01	0.0085	0.007						
		B,R类 B,R type	0.013	0.011	0.010	0.010	0.009	0.0077(B)	0.0065(B)							
		XLPE类绝缘 XLPE insulation	A类 A type	/	1.2	1.1	1.1	1.0	0.85	0.7						
		B类 B type	/	1.4	1.3	1.0	0.9	0.77	0.65							
试验电压 Tested Voltage	kV/5min	3.0														
阻燃特性 Flame-retardant characteristics		按照GB/T19666和GB/T18380, 分为ZA,ZB,ZC三种阻燃级别。 Following GB/T19666 or GB/T18380, Flame-retardance is classified to three categories ZA,ZB,ZC.														

五、基本型号及名称

V. Basic type and product name

1. 聚氯乙烯绝缘护套控制电缆

PVC insulated and sheathed control cable

型号 Type	产品名称 Product Name	主要使用范围 Application Places
KVV	铜芯聚氯乙烯绝缘聚氯乙烯护套控制电缆 Copper core PVC insulated and sheathed control cable.	敷设在室内、电缆沟、管道等固定场合 Laid in fixed places of room, cable groove and pipe, etc.
KVVP	铜芯聚氯乙烯绝缘聚氯乙烯护套铜线编织屏蔽控制电缆 Copper core PVC insulated and sheathed copper wire braid shield control cable.	敷设在室内、电缆沟、管道等要求屏蔽的固定场合 Laid in fixed places of room, cable groove and pipe where shield is required.
KVVP <sub>2</sub>	铜芯聚氯乙烯绝缘聚氯乙烯护套铜带屏蔽控制电缆 Copper core PVC insulated and sheathed copper tape shield control cable.	敷设在室内、电缆沟、管道等要求屏蔽的固定场合 Laid in fixed places indoors, cable groove and pipe where shield is required.
KVV <sub>22</sub>	铜芯聚氯乙烯绝缘聚氯乙烯护套钢带铠装控制电缆 Copper core PVC insulated and sheathed steel tape armoured control cable.	敷设在室内、管道直埋等能承受较大的机械外力的固定场合 Laid in fixed places indoors and direct burying pipes where greater mechanical force is exerted.
KVVR	铜芯聚氯乙烯绝缘聚氯乙烯护套控制软电缆 Copper core PVC insulated and sheathed control flexible cable.	敷设在室内移动, 要求柔软等场合 Laid in fixed places indoors where flexibility is required.
KVVRP	铜芯聚氯乙烯绝缘聚氯乙烯护套铜线编织屏蔽控制软电缆 Copper core PVC insulated and sheathed copper wire braid shield control flexible cable.	敷设在室内移动, 要求柔软屏蔽等场合 Laid in fixed places indoors where flexibility and shield are required.

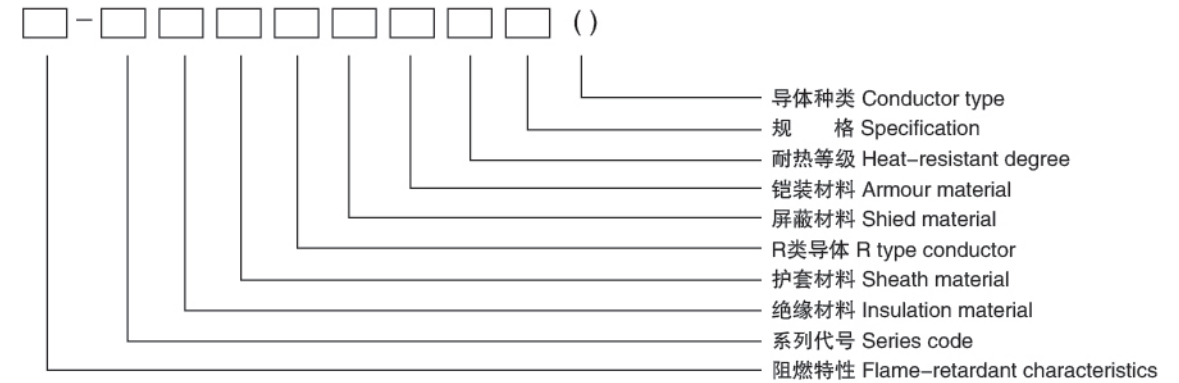
2. 交联聚乙烯绝缘聚氯乙烯护套控制电缆

XLPE insulated and PVC sheathed control cable

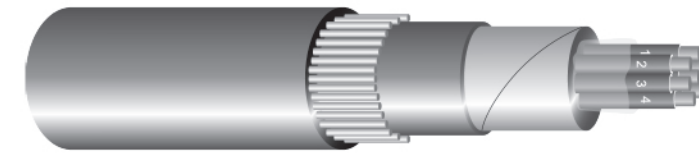
型号 Type	产品名称 Product Name
KYJV	铜芯交联聚乙烯绝缘聚氯乙烯护套控制电缆 Copper core XLPE insulated and PVC sheathed control cable.
KYJVR	铜芯交联聚乙烯绝缘聚氯乙烯护套控制软电缆 Copper core XLPE insulated and PVC sheathed control flexible cable.
KYJVP	铜芯交联聚乙烯绝缘聚氯乙烯护套铜线编织屏蔽控制电缆 Copper core XLPE insulated and PVC sheathed control wire braid shielded control cable.
KYJVRP	铜芯交联聚乙烯绝缘聚氯乙烯护套铜线编织屏蔽控制软电缆 Copper core XLPE insulated and PVC sheathed control wire braid shielded control flexible cable.
KYJVP <sub>2</sub>	铜芯交联聚乙烯绝缘聚氯乙烯护套铜带屏蔽控制电缆 Copper core XLPE insulated and PVC sheathed control tape control cable.
KYJVRP <sub>2</sub>	铜芯交联聚乙烯绝缘聚氯乙烯护套铜带屏蔽控制软电缆 Copper core XLPE insulated and PVC sheathed control tape control flexible cable.
KYJV22	铜芯交联聚乙烯绝缘聚氯乙烯护套钢带铠装控制电缆 Copper core XLPE insulated and PVC sheathed steel tape armoured control cable.
KYJVR22	铜芯交联聚乙烯绝缘聚氯乙烯护套钢带铠装控制软电缆 Copper core XLPE insulated and PVC sheathed steel tape armoured control flexible cable.
KYJVP22	铜芯交联聚乙烯绝缘聚氯乙烯护套铜线编织屏蔽钢带铠装控制电缆 Copper core XLPE insulated and PVC sheathed copper wire braid shielded steel tape armoured control cable.
KYJVRP22	铜芯交联聚乙烯绝缘聚氯乙烯护套铜线编织屏蔽钢带铠装控制软电缆 Copper core XLPE insulated and PVC sheathed copper wire braid shielded steel tape armoured soft control cable.
KYJVP2-22	铜芯交联聚乙烯绝缘聚氯乙烯护套铜带屏蔽钢带铠装控制电缆 Copper core XLPE insulated and PVC sheathed copper tape shielded steel tape armoured control cable.
KYJVRP2-22	铜芯交联聚乙烯绝缘聚氯乙烯护套铜带屏蔽钢带铠装控制软电缆 Copper core XLPE insulated and PVC sheathed copper tape shielded steel tape armoured control flexible cable.

六、型号说明

VI. Type illustration



注：代号名称和含义见下表 Note: Code and its indication see the table.



七、标注举例

1. 铜芯聚氯乙烯绝缘和护套, 铜线或镀锡铜线编织屏蔽控制电缆, 24芯1.5mm<sup>2</sup>, 导体线芯由单线构成, 表示为: KVVP 24 × 1.5 (A)

2. 铜芯聚氯乙烯绝缘和护套, 铝塑复合带屏蔽阻燃A级控制电缆, 24芯1.5mm<sup>2</sup>, 导体线芯由7股单线构成, 可表示为: ZA-KVVP<sub>3</sub> 24 × 1.5 (B)

VII. Identification example

1. Copper core. PVC insulated and sheathed, copper or tinned copper wire braid shielded control cable, 24 cores, standard cross section of conductor 1.5mm<sup>2</sup>, single thread for each core, indicated as: KVVP 24 × 1.5 (A)

2. Copper core. PVC insulated and sheathed, composite aluminium-plastic tape shielded flame retardant class A control cable, 24 cores, standard cross section of conductor 1.5mm<sup>2</sup>, 7 threads for each core, indicated as: ZA-KVVP<sub>3</sub> 24 × 1.5 (B)



●代号名称及含义  
●Code and its indication

项目 Item	代号 Code	代号含义 Code Indication
阻燃特性 Flame-proof Characteristics	/	非阻燃可省略 Non flame-proof(omission)
	ZA	A类阻燃 Class A flame-retardant
	ZB	B类阻燃 Class B flame-retardant
	ZC	C类阻燃 Class C flame-retardant
	WDZ	无卤低烟阻燃 Halogen-free and low smoke flame retardant
说明 Illustration		成束燃烧试验为A、B、C三类，A类最优，DDZ、WDZ也分A、B、C三类，如DDZA、WDZB。 Among the bundle-burning test class A,B,C class A is the best. DDZ,WDZ are also classified to class A,B,C,for example DDZA,WDZB.
系列代号 Seried Code	K	控制电缆 Control cable
绝缘材料 Insulation Material	V	聚氯乙烯、阻燃聚氯乙烯 PVC,flame-proof PVC
	YJ	交联聚乙烯 XLPE
护套材料 Sheath Material	V	聚氯乙烯、阻燃聚氯乙烯 PVC,flame-proof PVC
屏蔽材料 Shield Material	P	铜线或镀锡铜线编织 Copper wire or tinned copper wire braid
	P <sub>3</sub>	铝塑复合带 Composite aluminium-plastic tape
	P <sub>2</sub>	铜带 Copper tape
铠装材料 Armour Material	22	绕包钢带铠装聚氯乙烯类护套 Steel tape wrapped armour PVC sheath.
	23	绕包钢带铠装聚乙烯或聚丙烯类护套 Steel tape wrapped armour PE or LSOH sheath.
	32	绕包钢丝铠装聚氯乙烯类护套 Winding steel wire armour PVC sheath.
	33	绕包钢丝铠装聚乙烯或聚丙烯类护套 Winding steel wire armour PE or LSOH sheath.
耐热等级 Heat-resistant degree	70	最高工作温度70℃ (可省略) The highest operating temperature is 70℃(Omission)
	90	最高工作温度90℃ The highest operating temperature is 90℃
导体种类 Conductor Type	A	单股导体 (1类) Single thread Conductor (class 1)
	B	7股绞合导体 (A、B两种在规格后括号中表示) 7 threads stranded conductor(indicated in the bracket behind the specification for A,B 2类 class 2)
	R	多股绞合导体 (5类) Multiple threads stranded Conductor(class 5)
规格 Specification		芯数 × 导体线芯标称截面mm <sup>2</sup> No. of cores × Standard cross section of conductor mm <sup>2</sup>

注：根据上述所列控制电缆的型号说明，可以选择各种组合以满足需要。  
Note:Cable of combined code is available according to the above identification illustration.

控制电缆

八、结构尺寸及参考重量

VIII. Structure size and reference weight

(A)聚氯乙烯绝缘或交联聚乙烯绝缘，聚氯乙烯护套控制电缆

PVC insulated and sheathed control cable,PVC or XLPE insulation,PVC sheath control cable

1.KVV,KVVP,KVVP<sub>2</sub>,KVV<sub>22</sub>,KYJV,KYJVP,KYJVP<sub>2</sub>,KYJV<sub>22</sub>

线对数X2X 标称截面 NO. of pairs × 2 × section(mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of core(NO. of threads/diameter)mm		参考外径 Reference outerdiameter.(mm)				参考重量 Reference weight(kg/km)			
	A	B	KVV KYJV	KVVP KYJVP	KVVP <sub>2</sub> KYJVP <sub>2</sub>	KVV <sub>22</sub> KYJV <sub>22</sub>	KVV KYJV	KVVP KYJVP	KVVP <sub>2</sub> KYJVP <sub>2</sub>	KVV <sub>22</sub> KYJV <sub>22</sub>
2 × 0.75	1/0.97	7/0.37	8.4	9.6	-	11.6	72	114	138	-
2 × 1.0	1/1.13	7/0.43	8.7	9.9	11.1	12.2	81	124	148	-
2 × 1.5	1/1.38	7/0.52	9.7	11.0	12.2	13.4	109	157	186	-
2 × 2.5	1/1.78	7/0.68	11.1	12.4	13.1	14.4	154	201	236	-
2 × 4.0	1/2.25	7/0.85	12.3	13.5	14.8	16.2	187	346	406	436
2 × 6.0	1/2.76	7/1.04	13.6	15.5	16.3	17.9	241	351	410	441
3 × 0.75	1/0.97	7/0.37	8.8	10.0	11.1	12.2	87	130	144	-
3 × 1.0	1/1.13	7/0.43	9.1	10.4	11.4	12.5	98	143	158	-
3 × 1.5	1/1.38	7/0.52	10.3	11.5	12.6	13.8	127	177	208	-
3 × 2.5	1/1.78	7/0.68	11.8	13.0	13.8	15.2	186	238	288	328
3 × 4.0	1/2.25	7/0.85	13.0	14.2	15.8	17.3	235	347	406	437
3 × 6.0	1/2.76	7/1.04	14.4	16.6	17.3	19.0	329	470	547	578
4 × 0.75	1/0.97	7/0.37	9.4	10.7	12.0	13.2	104	153	183	-
4 × 1.0	1/1.13	7/0.43	9.9	11.1	12.4	13.6	119	163	198	-
4 × 1.5	1/1.38	7/0.52	11.1	12.4	13.4	14.7	156	203	233	-
4 × 2.5	1/1.78	7/0.68	12.8	14.0	15.5	17.05	226	330	375	413
4 × 4.0	1/2.25	7/0.85	14.2	16.4	16.7	18.4	316	436	493	505
4 × 6.0	1/2.76	7/1.04	16.5	18.0	17.8	19.6	413	530	602	619
5 × 0.75	1/0.97	7/0.37	10.2	11.4	12.8	14.1	119	162	194	-
5 × 1.0	1/1.13	7/0.43	10.6	11.9	13.0	14.3	142	193	232	-
5 × 1.5	1/1.38	7/0.52	12.1	13.3	14.7	16.2	190	248	299	346
5 × 2.5	1/1.78	7/0.68	13.9	15.9	16.5	18.2	290	390	448	471
5 × 4.0	1/2.25	7/0.85	16.2	17.7	17.7	19.5	383	502	562	586
5 × 6.0	1/2.76	7/1.04	17.9	19.4	19.0	20.9	505	626	708	737
7 × 0.75	1/0.97	7/0.37	11.0	12.2	13.3	14.6	146	202	244	-
7 × 1.0	1/1.13	7/0.43	11.5	12.7	13.8	15.2	169	217	259	-
7 × 1.5	1/1.38	7/0.52	13.1	14.3	15.7	17.3	225	330	378	425
7 × 2.5	1/1.78	7/0.68	15.8	17.3	17.5	19.3	353	472	520	554
7 × 4.0	1/2.25	7/0.85	17.6	19.1	19.0	20.9	473	601	679	701
7 × 6.0	1/2.76	7/1.04	19.5	21.0	20.5	22.6	652	789	892	921
8 × 0.75	1/0.97	7/0.37	12.1	13.4	13.8	15.2	166	217	256	344
8 × 1.0	1/1.13	7/0.43	12.7	14.0	14.5	15.9	193	243	286	378
8 × 1.5	1/1.38	7/0.52	15.2	16.7	16.3	17.9	277	387	442	467
8 × 2.5	1/1.78	7/0.68	17.6	19.1	18.9	20.8	405	524	598	614
8 × 4.0	1/2.25	7/0.85	19.6	21.1	20.8	22.9	545	681	760	789
8 × 6.0	1/2.76	7/1.04	21.8	23.8	22.4	24.6	748	989	1002	1030
10 × 0.75	1/0.97	7/0.37	13.6	15.5	16.0	17.6	205	300	341	352
10 × 1.0	1/1.13	7/0.43	14.3	16.5	16.8	18.5	256	438	438	449
10 × 1.5	1/1.38	7/0.52	17.1	18.6	18.5	20.3	340	520	520	558
10 × 2.5	1/1.78	7/0.68	19.8	21.3	21.2	23.3	500	726	726	753
10 × 4.0	1/2.25	7/0.85	22.6	24.1	23.3	25.6	721	941	941	976
10 × 6.0	1/2.76	7/1.04	25.2	26.7	25.3	27.8	956	1080	1208	1245

导体的结构作为参考，可以调整，只要其结构符合相关标准要求，和其直流电阻满足产品要求。  
The structure of conductor is reference and allowable to be modified if it complies with the related standard and its resistance meets the product requirement.

线对数X2X 标称截面 NO. of pairs x 2 x section(mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of core(NO. of threads/diameter)mm		参考外径 Reference outerdiameter.(mm)				参考重量 Reference weight(kg/km)			
	A	B	KVV	KVVP	KVVP <sub>2</sub>	KVV <sub>22</sub>	KVV	KVVP	KVVP <sub>2</sub>	KVV <sub>22</sub>
			KYJV	KYJVP	KYJVP <sub>2</sub>	KYJV <sub>22</sub>	KYJV	KYJVP	KYJVP <sub>2</sub>	KYJV <sub>22</sub>
12 x 0.75	1/0.97	7/0.37	14.0	15.9	16.6	18.8	240	114	393	361
12 x 1.0	1/1.13	7/0.43	15.4	16.9	17.0	19.2	289	124	470	485
12 x 1.5	1/1.38	7/0.52	17.6	19.1	18.9	21.6	386	157	596	609
12 x 2.5	1/1.78	7/0.68	20.5	22.0	21.8	24.6	572	201	816	829
12 x 4.0	1/2.25	7/0.85	23.4	24.9	23.9	26.8	825	346	1096	1109
12 x 6.0	1/2.76	7/1.04	26.0	27.5	26.0	29.2	1105	351	1403	1421
14 x 0.75	1/0.97	7/0.37	15.3	16.8	17.0	19.7	285	114	451	463
14 x 1.0	1/1.13	7/0.43	16.1	17.6	17.7	20.5	321	124	518	530
14 x 1.5	1/1.38	7/0.52	18.4	19.9	19.6	22.7	432	157	672	684
14 x 2.5	1/1.78	7/0.68	21.5	23.4	22.6	26.1	670	201	900	913
14 x 4.0	1/2.25	7/0.85	24.5	26.0	24.9	28.5	912	346	1149	1158
14 x 6.0	1/2.76	7/1.04	27.3	29.1	27.1	30.9	1198	351	1434	1448
16 x 0.75	1/0.97	7/0.37	16.1	17.6	17.6	20.5	312	114	480	492
16 x 1.0	1/1.13	7/0.43	16.9	18.4	18.3	21.2	359	124	560	576
16 x 1.5	1/1.38	7/0.52	19.4	20.9	20.5	23.1	485	157	729	745
16 x 2.5	1/1.78	7/0.68	23.1	24.6	23.7	27.1	775	201	984	1005
19 x 0.75	1/0.97	7/0.37	16.9	18.4	18.3	20.8	347	114	531	547
19 x 1.0	1/1.13	7/0.43	17.7	19.3	19.0	21.6	408	124	629	645
19 x 1.5	1/1.38	7/0.52	20.4	21.9	21.6	24.6	533	157	808	824
19 x 2.5	1/1.78	7/0.68	24.3	25.8	24.7	28.1	1053	201	1103	1113
24 x 0.75	1/0.97	7/0.37	19.5	21.0	19.0	23.1	400	114	476	642
24 x 1.0	1/1.13	7/0.43	20.5	22.0	21.5	24.7	510	124	760	776
24 x 1.5	1/1.38	7/0.52	24.1	25.6	24.0	27.5	744	157	985	1001
24 x 2.5	1/1.78	7/0.68	28.3	30.1	28.0	31.9	1110	201	1360	1376
27 x 0.75	1/0.97	7/0.37	19.9	21.4	20.0	23.6	476	114	703	719
27 x 1.0	1/1.13	7/0.43	20.9	22.9	21.5	24.7	578	124	805	821
27 x 1.5	1/1.38	7/0.52	24.6	26.1	25.6	29.2	807	157	1047	1063
27 x 2.5	1/1.78	7/0.68	28.9	30.7	30.0	33.5	1209	201	1463	1480
30 x 0.75	1/0.97	7/0.37	20.6	22.1	21.5	24.8	523	114	700	736
30 x 1.0	1/1.13	7/0.43	21.6	23.6	23.0	26.4	651	124	854	890
30 x 1.5	1/1.38	7/0.52	24.9	27.0	26.5	30.2	882	157	1204	1276
30 x 2.5	1/1.78	7/0.68	30.2	31.7	31.0	34.6	1327	201	1650	1685
37 x 0.75	1/0.97	7/0.37	22.9	24.1	23.0	26.4	600	114	807	823
37 x 1.0	1/1.13	7/0.43	23.8	25.3	24.5	27.5	771	124	997	1013
37 x 1.5	1/1.38	7/0.52	27.4	29.2	28.5	31.9	1050	157	1315	1331
37 x 2.5	1/1.78	7/0.68	32.3	34.8	33.5	37.4	1591	201	1900	2079
44 x 0.75	1/0.97	7/0.37	25.2	26.7	26.0	29.7	745	114	940	957
44 x 1.0	1/1.13	7/0.43	26.6	28.1	27.5	31.4	915	124	1168	1184
44 x 1.5	1/1.38	7/0.52	30.7	31.8	31.5	36.3	1251	157	1525	1817
44 x 2.5	1/1.78	7/0.68	37.0	39.0	38.0	42.9	1950	201	2294	2487
48 x 0.75	1/0.97	7/0.37	25.6	27.0	26.0	29.7	832	114	1090	1106
48 x 1.0	1/1.13	7/0.43	27.0	28.1	27.5	31.4	967	124	1220	1236
48 x 1.5	1/1.38	7/0.52	31.2	32.2	32.0	36.3	1326	157	1620	1890
48 x 2.5	1/1.78	7/0.68	37.6	39.8	38.5	42.9	2072	201	2347	2537
52 x 0.75	1/0.97	7/0.37	26.2	27.7	27.0	30.8	989	114	1140	1168
52 x 1.0	1/1.13	7/0.43	27.7	29.0	28.5	32.5	1035	124	1285	1305
52 x 1.5	1/1.38	7/0.52	32.1	32.9	33.5	37.9	1420	157	1730	1897
52 x 2.5	1/1.78	7/0.68	38.6	40.9	40.0	44.5	2220	201	2610	1800
61 x 0.75	1/0.97	7/0.37	27.5	29.6	28.5	32.5	967	114	1233	1251
61 x 1.0	1/1.13	7/0.43	29.1	30.6	30.0	34.1	1186	124	1450	1470
61 x 1.5	1/1.38	7/0.52	34.4	35.5	35.5	40.1	1680	157	2021	2185
61 x 2.5	1/1.78	7/0.68	41.1	43.6	42.0	46.7	2599	201	3015	3175

2.KVVR,KVVRP,KVVRP<sub>2</sub>,KYJVR,KYJVRP,KYJVRP<sub>2</sub>

线对数X2X 标称截面 NO. of pairs x 2 x section(mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of core(NO. of threads/diameter)mm	参考外径 Reference outerdiameter.(mm)			参考重量 Reference weight(kg/km)		
		KVVR KYJVR	KVVRP KYJVRP	KVVRP <sub>2</sub> KYJVRP <sub>2</sub>	KVVR KYJVR	KVVRP KYJVRP	KVVRP <sub>2</sub> KYJVRP <sub>2</sub>
2 x 0.5	16/0.2	8.1	9.3	11.0	72	98	119
2 x 0.75	24/0.2	8.5	9.7	12.1	82	124	149
2 x 1.0	32/0.2	8.8	10.0	12.7	91	134	159
2 x 1.5	30/0.25	9.9	11.1	13.8	119	167	197
2 x 2.5	50/0.25	11.4	12.6	14.7	164	211	247
3 x 0.5	16/0.2	8.5	9.7	12.1	83	120	132
3 x 0.75	24/0.2	8.9	10.1	12.6	97	140	155
3 x 1.0	32/0.2	9.3	10.5	12.9	108	153	169
3 x 1.5	30/0.25	10.4	11.6	14.2	137	187	219
3 x 2.5	50/0.25	12.0	13.2	15.5	191	258	299
4 x 0.5	16/0.2	9.2	10.4	12.8	96	141	168
4 x 0.75	24/0.2	9.6	10.8	13.3	114	164	194
4 x 1.0	32/0.2	10.0	11.2	13.7	123	179	209
4 x 1.5	30/0.25	11.3	12.5	14.8	158	210	244
4 x 2.5	50/0.25	13.1	14.3	17.2	228	258	386
5 x 0.5	16/0.2	9.9	11.1	13.3	108	164	195
5 x 0.75	24/0.2	10.3	11.6	14.1	122	174	205
5 x 1.0	32/0.2	10.8	12.0	14.4	148	208	243
5 x 1.5	30/0.25	12.2	13.4	16.4	200	267	310
5 x 2.5	50/0.25	14.3	16.5	18.5	296	399	459
7 x 0.5	16/0.2	10.6	11.8	14.1	118	164	194
7 x 0.75	24/0.2	11.1	12.4	14.7	149	218	255
7 x 1.0	32/0.2	11.7	12.9	15.2	172	224	260
7 x 1.5	30/0.25	13.2	15.1	17.2	233	338	389
7 x 2.5	50/0.25	16.2	17.7	19.5	359	468	538
8 x 0.5	16/0.2	11.7	13.0	14.7	126	174	205
8 x 0.75	24/0.2	12.3	13.6	15.5	174	229	267
8 x 1.0	32/0.2	12.9	14.2	16.5	196	254	297
8 x 1.5	30/0.25	15.4	16.9	18.3	285	393	453
8 x 2.5	50/0.25	18.0	19.5	20.9	412	536	611
10 x 0.5	16/0.2	13.1	14.3	16.7	147	194	228
10 x 0.75	24/0.2	13.8	15.7	17.7	216	310	352
10 x 1.0	32/0.2	15.2	16.7	18.6	269	386	449
10 x 1.5	30/0.25	17.3	18.8	20.3	352	472	558
10 x 2.5	50/0.25	20.3	21.8	23.2	516	647	753
12 x 0.5	16/0.2	13.5	15.4	17.1	176	224	264
12 x 0.75	24/0.2	14.2	16.4	18.2	252	356	406
12 x 1.0	32/0.2	15.7	17.2	19.0	295	403	485
12 x 1.5	30/0.25	17.8	19.3	20.8	394	512	609
12 x 2.5	50/0.25	21.0	22.9	24.8	581	712	829
14 x 0.5	16/0.2	14.1	16.3	17.7	198	246	296
14 x 0.75	24/0.2	15.6	17.1	18.7	296	408	463
14 x 1.0	32/0.2	16.4	17.9	19.7	333	457	530
14 x 1.5	30/0.25	18.7	20.2	21.6	445	564	684
14 x 2.5	50/0.25	22.0	24.0	28.0	683	814	913

导体的结构作为参考，可以调整，只要其结构符合相关标准要求，和其直流电阻满足产品要求。  
The structure of conductor is reference and allowable to be modified if it complies with the related standard and its resistance meets the product requirement.



线对数X2X 标称截面 NO. of pairs x 2 x section(mm <sup>2</sup> )	线芯结构 (根数/直径) Structure of core(NO. of threads/diameter)mm	参考外径 Reference outerdiameter.(mm)			参考重量 Reference weight(kg/km)		
		KVVR KYJVVR	KVVRP KYJVVRP	KVVRP <sub>2</sub> KYJVVRP <sub>2</sub>	KVVR KYJVVR	KVVRP KYJVVRP	KVVRP <sub>2</sub> KYJVVRP <sub>2</sub>
16 x 0.5	16/0.2	14.2	15.5	17.5	246	291	341
16 x 0.75	24/0.2	15.4	16.6	18.6	323	441	491
16 x 1.0	32/0.2	16.1	17.3	19.3	373	487	576
16 x 1.5	30/0.25	18.2	19.3	21.0	496	614	745
16 x 2.5	50/0.25	22.2	23.4	24.7	787	892	1005
19 x 0.5	16/0.2	14.9	16.1	18.0	287	346	395
19 x 0.75	24/0.2	16.1	17.3	19.3	359	473	547
19 x 1.0	32/0.2	16.9	18.0	20.0	421	529	645
19 x 1.5	30/0.25	19.1	20.8	22.6	564	696	824
19 x 2.5	50/0.25	23.4	24.6	26.4	898	1069	1119
24 x 0.5	16/0.2	16.9	18.5	20.5	327	396	478
24 x 0.75	24/0.2	18.4	19.5	21.5	415	536	642
24 x 1.0	32/0.2	19.3	21.0	22.5	517	656	776
24 x 1.5	30/0.25	22.5	24.0	25.5	759	884	1001
24 x 2.5	50/0.25	26.9	28.5	30.0	1129	1279	1376
27 x 0.5	16/0.2	17.5	18.5	20.5	359	489	549
27 x 0.75	24/0.2	19.0	20.0	22.0	492	634	719
27 x 1.0	32/0.2	19.9	21.5	23.5	596	737	821
27 x 1.5	30/0.25	23.2	24.5	26.5	824	983	1064
27 x 2.5	50/0.25	27.8	29.0	31.0	1225	1378	1480
30 x 0.5	16/0.2	18.0	19.5	21.5	396	554	601
30 x 0.75	24/0.2	19.6	21.0	23.0	539	658	713
30 x 1.0	32/0.2	21.1	22.5	24.5	667	799	867
30 x 1.5	30/0.25	24.0	25.5	27.5	897	1123	1220
30 x 2.5	50/0.25	28.7	30.0	32.0	1343	1496	1623
37 x 0.5	16/0.2	19.0	20.5	22.5	470	594	674
37 x 0.75	24/0.2	20.5	22.0	24.0	616	731	823
37 x 1.0	32/0.2	22.5	24.0	26.0	792	945	1013
37 x 1.5	30/0.25	26.0	27.0	29.0	1072	1224	1331
37 x 2.5	50/0.25	30.5	32.0	34.0	1612	1768	1918
44 x 0.5	16/0.2	21.5	23.0	25.0	541	620	720
44 x 0.75	24/0.2	23.5	24.5	26.5	764	908	955
44 x 1.0	32/0.2	25.0	26.5	28.5	938	1076	1184
44 x 1.5	30/0.25	29.0	30.5	32.5	1274	1421	1541
44 x 2.5	50/0.25	35.0	36.5	38.5	1974	2128	2310
48 x 0.5	16/0.2	22.0	23.5	25.5	598	686	801
48 x 0.75	24/0.2	24.0	25.5	27.0	854	958	1106
48 x 1.0	32/0.2	25.5	26.5	28.5	986	1118	1236
48 x 1.5	30/0.25	29.5	30.5	32.5	1352	1508	1636
48 x 2.5	50/0.25	35.5	37.0	39.0	2094	2178	2363
52 x 0.5	16/0.2	22.5	23.5	25.5	634	763	816
52 x 0.75	24/0.2	24.5	25.5	27.5	912	1034	1168
52 x 1.0	32/0.2	26.0	27.5	29.5	1056	1214	1305
52 x 1.5	30/0.25	30.0	32.8	34.5	1449	1607	1748
52 x 2.5	50/0.25	36.5	39.2	41.0	2249	2425	2627
61 x 0.5	16/0.2	24.0	25.5	27.5	689	812	889
61 x 0.75	24/0.2	26.0	27.0	29.0	991	1109	1251
61 x 1.0	32/0.2	27.5	29.0	31.0	1209	1348	1470
61 x 1.5	30/0.25	32.5	35.0	36.5	1698	1881	2041
61 x 2.5	50/0.25	39.5	41.5	43.0	2612	2795	3035

### 电缆格兰选用

#### Cable Gland Selection

非铠装型 控制电缆在危险区域使用时 可选配 Bicon A2EX 型 防爆格兰。

Bicon A2EX anti-explosion gland is suitable for unarmored control cable when applied in hazardous area.

缠绕钢丝铠装型 控制电缆在危险区域使用时 可选配 Bicon E1WF 型 防爆格兰。

Bicon E1WF anti-explosion gland is suitable for steel wire armored control cable when applied in hazardous area.

编织钢丝铠装型 控制电缆在危险区域使用时 可选配 Bicon E1XF 型 防爆格兰。

Bicon E1XF anti-explosion gland is suitable for braid wire armored control cable when applied in hazardous area.

绕包钢带铠装型 控制电缆在危险区域使用时 可选配 Bicon E1W-XL 型 防爆格兰。

Bicon E1W-XL anti-explosion gland is suitable for steel tape armored control cable when applied in hazardous area.

请联系 Prysmian 索取 Bicon 格兰的详细信息。

Please contact Prysmian for the detail information of Bicon gland.