

本质安全电路用对绞屏蔽控制电缆

Intrinsically Safe Circuit Pairs Shield Control Cable

1 执行标准 Executive standard

Q/VAMT3.3-2007 (等效采用英国 BS5308-86)

Q/VAMT3.3-2007 (equal to BS5308-86)

2 用途 Application

本电缆具有低电容和低电感,并具有极好的屏蔽性能和抗干扰性能,因而防爆性能优于一般计算机电缆和控制电缆。它适用于有防爆要求场合的集散系统和自动化检测控制系统等电路中作传输线。

The cable the-following features is low capacitance low inductance excellent shield and interference rejection. So that it is superior in flame-proof than common computer cable and control cable. It is used as transmission cable in circuit of distributing system and automatic examine & control system which should be flame-proofed.

3 型号和名称 Type and designation

表 1 Table 1		
序号 Serial No.	型号 Model	名称 Designation
1	IA YP ₂ PV-1	铜芯聚乙烯绝缘聚氯乙烯护套铜带铜丝编织分屏蔽本安控制电缆 Cu core PE insulated PVC sheathed Cu tape woven Cu wire separate shield intrinsically safe control cable
2	IA YP ₂ PV-2	铜芯聚乙烯绝缘聚氯乙烯护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽本安控制电缆 Cu core PE insulated PVC sheathed Cu tape woven Cu wire separate shield and woven Cu wire general shield intrinsically safe control cable
3	IA YP ₃ PV-1	铜芯聚乙烯绝缘聚氯乙烯护套铝/塑复合膜铜丝编织分屏蔽本安控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield intrinsically safe control cable
4	IA YP ₃ PV-2	铜芯聚乙烯绝缘聚氯乙烯护套铝/塑复合膜铜丝编织分屏蔽及镀锡铜丝编织总屏蔽本安控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield and woven tin-plated Cu wire general shield intrinsically safe control cable
5	IA YP ₂ V-1	铜芯聚乙烯绝缘聚氯乙烯护套铜带双层分屏蔽本安控制电缆 Cu core PE insulated PVC sheathed Cu tape two layers separate shield intrinsically safe control cable
6	IA YP ₂ V-2	铜芯聚乙烯绝缘聚氯乙烯护套铜带双层分屏蔽及单层总屏蔽本安控制电缆 Cu core PE insulated PVC sheathed Cu tape two layers separate shield and single layer general shield intrinsically safe control cable
7	IA YP ₃ V-1	铜芯聚乙烯绝缘聚氯乙烯护套铝/塑复合膜双层分屏蔽本安控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film two layers separate shield intrinsically safe control cable
8	IA YP ₃ V-2	铜芯聚乙烯绝缘聚氯乙烯护套铝/塑复合膜双层分屏蔽及单层总屏蔽本安控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film two layers separate shield and single layer general shield intrinsically safe control cable
9	IA YP ₂ PV ₂₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铜带铜丝编织分屏蔽钢带铠装本安控制电缆 Cu core PE insulated PVC sheathed Cu tape woven Cu wire separate shield steel tape armored intrinsically safe control cable
10	IA YP ₂ PV ₂₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽钢带铠装本安控制电缆 Cu core PE insulated PVC sheathed Cu tape woven Cu wire separate shield and woven Cu wire general shield steel tape armored intrinsically safe control cable

续表 1 Continued table 1

序号 Serial No.	型号 Model	名称 Designation
11	IA YP ₃ PV ₂₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜铜丝编织分屏蔽钢带铠装本安控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield steel tape armored intrinsically safe control cable
12	IA YP ₃ PV ₂₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜铜丝编织分屏蔽及铜丝编织总屏蔽钢带铠装本安控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield and woven Cu wire general shield steel tape armored intrinsically safe control cable
13	IA YP ₂ V ₂₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铜带双层分屏蔽钢带铠装本安控制电缆 Cu core PE insulated PVC sheathed Cu tape two layers separate shield steel tape armored intrinsically safe control cable
14	IA YP ₂ V ₂₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铜带双层分屏蔽及单层总屏蔽钢带铠装本安控制电缆 Cu core PE insulated PVC sheathed Cu tape two layers separate shield and single layer general shield steel tape armored intrinsically safe control cable
15	IA YP ₃ V ₂₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜双层分屏蔽钢带铠装本安控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film two layers separate shield steel tape armored intrinsically safe control cable
16	IA YP ₃ V ₂₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜双层分屏蔽及单层总屏蔽钢带铠装本安控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film two layers separate shield and single layer general shield steel tape armored intrinsically safe control cable
17	IA VP ₂ PV-1	铜芯聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽本安控制电缆 Cu core PVC insulated PVC sheathed Cu tape woven Cu wire separate shield intrinsically safe control cable
18	IA VP ₂ PV-2	铜芯聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽本安控制电缆 Cu core PVC insulated PVC sheathed Cu tape woven Cu wire separate shield and woven Cu wire general shield intrinsically safe control cable
19	IA VP ₃ PV-1	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽本安控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield intrinsically safe control cable
20	IA VP ₃ PV-2	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽及铜丝编织总屏蔽本安控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield and woven Cu wire general shield intrinsically safe control cable
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22	IA VP ₂ V-2	铜芯聚氯乙烯绝缘及护套铜带双层分屏蔽及单层总屏蔽本安控制电缆 Cu core PVC insulated PVC sheathed Cu tape two layers separate shield and single layer general shield intrinsically safe control cable
23	IA VP ₃ V-1	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽本安控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film two layers separate shield intrinsically safe control cable
24	IA VP ₃ V-2	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽及单层总屏蔽本安控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film two layers separate shield and single layer general shield intrinsically safe control cable

续表 1 Continued table 1

序号 Serial No.	型号 Model	名称 Designation
25	IA VP ₂ PV ₂₂ -1	铜芯聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽钢带铠装本安控制电缆 Cu core PVC insulated PVC sheathed Cu tape woven Cu wire separate shield steel tape armored intrinsically safe control cable
26	IA VP ₂ PV ₂₂ -2	铜芯聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽钢带铠装本安控制电缆 Cu core PVC insulated PVC sheathed Cu tape woven Cu wire separate shield and woven Cu wire general shield steel tape armored intrinsically safe control cable
27	IA VP ₃ PV ₂₂ -1	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽钢带铠装本安用控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield steel tape armored intrinsically safe control cable
28	IA VP ₃ PV ₂₂ -2	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽及镀锡铜丝编织总屏蔽钢带铠装本安控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield and woven tinplated Cu core general shield steel tape armored intrinsically safe control cable
29	IA VP ₂ V ₂₂ -1	铜芯聚氯乙烯绝缘及护套铜带双层分屏蔽钢带铠装本安用控制电缆 Cu core PVC insulated PVC sheathed Cu tape two layers separate shield steel tape armored intrinsically safe control cable
30	IA VP ₂ V ₂₂ -2	铜芯聚氯乙烯绝缘及护套铜带双层分屏蔽及单层总屏蔽钢带铠装本安控制电缆 Cu core PVC insulated PVC sheathed Cu tape two layers separate shield and single layer general shield steel tape armored intrinsically safe control cable
31	IA VP ₃ V ₂₂ -1	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽钢带铠装本安控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film two layers separate shield steel tape armored intrinsically safe control cable
32	IA VP ₃ V ₂₂ -2	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽及单层总屏蔽钢带铠装本安控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film two layers separate shield and single layer general shield steel tape armored intrinsically safe control cable
33	IA YP ₂ PV ₃₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铜带铜丝编织分屏蔽细钢丝铠装本安控制电缆 Cu core PE insulated PVC sheathed Cu tape woven Cu wire separate shield thin steel wire armored intrinsically safe control cable
34	IA YP ₂ PV ₃₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽细钢丝铠装本安控制电缆 Cu core PE insulated PVC sheathed Cu tape woven Cu wire separate shield and woven Cu wire general shield thin steel wire armored intrinsically safe control cable
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36	IA YP ₃ PV ₃₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜铜丝编织分屏蔽及铜丝编织总屏蔽细钢丝铠装本安控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield and woven Cu wire general shield thin steel wire armored intrinsically safe control cable
37	IA YP ₂ V ₃₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铜带双层分屏蔽细钢丝铠装本安控制电缆 Cu core PE insulated PVC sheathed Cu tape two layers separate shield thin steel wire armored intrinsically safe control cable
38	IA YP ₂ V ₃₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铜带双层分屏蔽及单层总屏蔽细钢丝铠装本安控制电缆 Cu core PE insulated PVC sheathed Cu tape two layers separate shield and single layer general shield thin steel wire armored intrinsically safe control cable

续表 1 Continued table 1

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39	IA YP ₃ V ₃₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜双层分屏蔽细钢丝铠装本安控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film two layers separate shield thin steel wire armored intrinsically safe control cable
40	IA YP ₃ V ₃₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜双层分屏蔽及单层总屏蔽细钢丝铠装本安控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film two layers separate shield and single layer general shield thin steel wire armored intrinsically safe control cable
41	IA VP ₂ PV ₃₂ -1	铜芯聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽细钢丝铠装本安控制电缆 Cu core PVC insulated PVC sheathed Cu tape woven Cu wire separate shield thin steel wire armored intrinsically safe control cable
42	IA VP ₂ PV ₃₂ -2	铜芯聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽细钢丝铠装本安控制电缆 Cu core PVC insulated PVC sheathed Cu tape woven Cu wire separate shield and woven Cu wire general shield thin steel wire armored intrinsically safe control cable
43	IA VP ₃ PV ₃₂ -1	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽细钢丝铠装本安控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield thin steel wire armored intrinsically safe control cable
44	IA VP ₃ PV ₃₂ -2	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽及镀锡铜丝编织总屏蔽细钢丝铠装本安控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield and woven Cu wire general shield thin steel wire armored intrinsically safe control cable
45	IA VP ₂ V ₃₂ -1	铜芯聚氯乙烯绝缘及护套铜带双层分屏蔽细钢丝铠装本安控制电缆 Cu core PVC insulated PVC sheathed Cu tape two layers separate shield thin steel wire armored intrinsically safe control cable
46	IA VP ₂ V ₃₂ -2	铜芯聚氯乙烯绝缘及护套铜带双层分屏蔽及单层总屏蔽细钢丝铠装本安控制电缆 Cu core PVC insulated PVC sheathed Cu tape two layers separate shield and single layer general shield thin steel wire armored intrinsically safe control cable
47	IA VP ₃ V ₃₂ -1	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽细钢丝铠装本安控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film two layers separate shield thin steel wire armored intrinsically safe control cable
48	IA VP ₃ V ₃₂ -2	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽及单层总屏蔽细钢丝铠装本安控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film two layers separate shield and single layer general shield thin steel wire armored intrinsically safe control cable
49	ZR-IA YP ₂ PV-1	铜芯聚乙烯绝缘聚氯乙烯护套铜带铜丝编织分屏蔽本安阻燃控制电缆 Cu core PE insulated PVC sheathed Cu tape woven Cu wire separate shield intrinsically safe flame-retardant control cable
50	ZR-IA YP ₂ PV-2	铜芯聚乙烯绝缘聚氯乙烯护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽本安阻燃控制电缆 Cu core PE insulated PVC sheathed Cu tape woven Cu wire separate shield and woven Cu wire general shield intrinsically safe flame-retardant control cable
51	ZR-IA YP ₃ PV-1	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜铜丝编织分屏蔽本安阻燃控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield intrinsically safe flame-retardant control cable
52	ZR-IA YP ₃ PV-2	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜铜丝编织分屏蔽及铜丝编织总屏蔽本安阻燃控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield and woven Cu wire general shield intrinsically safe flame-retardant control cable

续表 1 Continued table 1

序号 Serial No.	型号 Model	名称 Designation
53	ZR-IA YP ₂ V-1	铜芯聚乙烯绝缘聚氯乙烯护套铜带双层分屏蔽本安阻燃控制电缆 Cu core PE insulated PVC sheathed Cu tape two layers separate shield intrinsically safe flame-retardant control cable
54	ZR-IA YP ₂ V-2	铜芯聚乙烯绝缘聚氯乙烯护套铜带双层分屏蔽及单层总屏蔽本安阻燃控制电缆 Cu core PE insulated PVC sheathed Cu tape two layers separate shield and single layer general shield intrinsically safe flame-retardant control cable
55	ZR-IA YP ₃ V-1	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜双层分屏蔽本安阻燃控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film two layers separate shield intrinsically safe flame-retardant control cable
56	ZR-IA YP ₃ V-2	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜双层分屏蔽及单层总屏蔽本安阻燃控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film two layers separate shield and single layer general shield intrinsically safe flame-retardant control cable
57	ZR-IA YP ₂ PV ₂₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铜带铜丝编织分屏蔽钢带铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Cu tape woven Cu wire separate shield steel tape armored intrinsically safe flame-retardant control cable
58	ZR-IA YP ₂ PV ₂₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽钢带铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield and woven Cu wire general shield steel tape armored intrinsically safe flame-retardant control cable
59	ZR-IA YP ₃ PV ₂₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜铜丝编织分屏蔽钢带铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield steel tape armored intrinsically safe flame-retardant control cable
60	ZR-IA YP ₃ PV ₂₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜铜丝编织分屏蔽及铜丝编织总屏蔽钢带铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield and woven Cu wire general shield steel tape armored intrinsically safe flame-retardant control cable
61	ZR-IA YP ₂ V ₂₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铜带双层分屏蔽钢带铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Cu tape two layers separate shield steel tape armored intrinsically safe flame-retardant control cable
62	ZR-IA YP ₂ V ₂₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铜带双层分屏蔽及单层总屏蔽钢带铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Cu tape two layers separate shield and single layer general shield steel tape armored intrinsically safe flame-retardant control cable
63	ZR-IA YP ₃ V ₂₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜双层分屏蔽钢带铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film two layers separate shield steel tape armored intrinsically safe flame-retardant control cable
64	ZR-IA YP ₃ V ₂₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜双层分屏蔽及单层总屏蔽钢带铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film two layers separate shield and single layer general shield steel tape armored intrinsically safe flame-retardant control cable
65	ZR-IA VP ₂ PV-1	铜芯聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Cu tape woven Cu wire separate shield intrinsically safe flame-retardant control cable
66	ZR-IA VP ₂ PV-2	铜芯聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Cu tape woven Cu wire separate shield and woven Cu wire general shield intrinsically safe flame-retardant control cable

续表 1 Continued table 1

序号 Serial No.	型号 Model	名称 Designation
67	ZR-IA VP ₃ PV-1	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield intrinsically safe flame-retardant control cable
68	ZR-IA VP ₃ PV-2	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽及铜丝编织总屏蔽本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield and woven Cu wire general shield intrinsically safe flame-retardant control cable
69	ZR-IA VP ₂ V-1	铜芯聚氯乙烯绝缘及护套铜带双层分屏蔽本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Cu tape two layers separate shield intrinsically safe flame-retardant control cable
70	ZR-IA VP ₂ V-2	铜芯聚氯乙烯绝缘及护套铜带双层分屏蔽及单层总屏蔽本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Cu tape two layers separate shield and single layer general shield intrinsically safe flame-retardant control cable
71	ZR-IA VP ₃ V-1	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film two layers separate shield intrinsically safe flame-retardant control cable
72	ZR-IA VP ₃ V-2	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽及单层总屏蔽本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film two layers separate shield and single layer general shield intrinsically safe flame-retardant control cable
73	ZR-IA VP ₂ PV ₂₂ -1	铜芯聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽钢带铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Cu tape woven Cu wire separate shield steel tape armored intrinsically safe flame-retardant control cable
74	ZR-IA VP ₂ PV ₂₂ -2	铜芯聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽钢带铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Cu tape woven Cu wire separate shield and woven Cu wire general shield steel tape armored intrinsically safe flame-retardant control cable
75	ZR-IA VP ₃ PV ₂₂ -1	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽钢带铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield steel tape armored intrinsically safe flame-retardant control cable
76	ZR-IA VP ₃ PV ₂₂ -2	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽及铜丝编织总屏蔽钢带铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield and woven Cu wire general shield steel tape armored intrinsically safe flame-retardant control cable
77	ZR-IA VP ₂ V ₂₂ -1	铜芯聚氯乙烯绝缘及护套铜带双层分屏蔽钢带铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Cu tape two layers separate shield steel tape armored intrinsically safe flame-retardant control cable
78	ZR-IA VP ₂ V ₂₂ -2	铜芯聚氯乙烯绝缘及护套铜带双层分屏蔽及单层总屏蔽钢带铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Cu tape two layers separate shield and single layer general shield steel tape armored intrinsically safe flame-retardant control cable
79	ZR-IA VP ₃ V ₂₂ -1	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽钢带铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film two layers separate shield steel tape armored intrinsically safe flame-retardant control cable
80	ZR-IA VP ₃ V ₂₂ -2	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽及单层总屏蔽钢带铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film two layers separate shield and single layer general shield steel tape armored intrinsically safe flame-retardant control cable

续表 1 Continued table 1

序号 Serial No.	型号 Model	名称 Designation
81	ZR-IA VP ₂ PV ₃₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铜带铜丝编织分屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Cu tape woven Cu wire separate shield thin steel wire armored intrinsically safe flame-retardant control cable
82	ZR-IA VP ₂ PV ₃₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Cu tape woven Cu wire separate shield and woven Cu wire general shield thin steel wire armored intrinsically safe flame-retardant control cable
83	ZR-IA YP ₃ PV ₃₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜铜丝编织分屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield thin steel wire armored intrinsically safe flame-retardant control cable
84	ZR-IA YP ₃ PV ₃₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜铜丝编织分屏蔽及铜丝编织总屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield and woven Cu wire general shield thin steel wire armored intrinsically safe flame-retardant control cable
85	ZR-IA YP ₂ V ₃₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铜带双层分屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Cu tape two layers separate shield thin steel wire armored intrinsically safe flame-retardant control cable
86	ZR-IA YP ₂ V ₃₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铜带双层分屏蔽及单层总屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Cu tape two layers separate shield and single layer general shield thin steel wire armored intrinsically safe flame-retardant control cable
87	ZR-IA YP ₃ V ₃₂ -1	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜双层分屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film two layers separate shield thin steel wire armored intrinsically safe flame-retardant control cable
88	ZR-IA YP ₃ V ₃₂ -2	铜芯聚乙烯绝缘聚氯乙烯护套铝 / 塑复合膜双层分屏蔽及单层总屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PE insulated PVC sheathed Al/plastic compound film two layers separate shield and single layer general shield thin steel wire armored intrinsically safe flame-retardant control cable
89	ZR-IA VP ₂ PV ₃₂ -1	铜芯聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Cu tape woven Cu wire separate shield thin steel wire armored intrinsically safe flame-retardant control cable
90	ZR-IA VP ₂ PV ₃₂ -2	铜芯聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Cu tape woven Cu wire separate shield and woven Cu wire general shield thin steel wire armored intrinsically safe flame-retardant control cable
91	ZR-IA VP ₃ PV ₃₂ -1	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield thin steel wire armored intrinsically safe flame-retardant control cable
92	ZR-IA VP ₃ PV ₃₂ -2	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽及铜丝编织总屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film woven Cu wire separate shield and woven Cu wire general shield thin steel wire armored intrinsically safe flame-retardant control cable
93	ZR-IA VP ₂ V ₃₂ -1	铜芯聚氯乙烯绝缘及护套铜带双层分屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Cu tape two layers separate shield thin steel wire armored intrinsically safe flame-retardant control cable
94	ZR-IA VP ₂ PV ₃₂ -2	铜芯聚氯乙烯绝缘及护套铜带双层分屏蔽及单层总屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Cu tape two layers separate shield and single layer general shield thin steel wire armored intrinsically safe flame-retardant control cable

续表 1 Continued table 1

序号 Serial No.	型号 Model	名称 Designation
95	ZR-IA VP ₃ V ₃₂ -1	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film two layers separate shield thin steel wire armored intrinsically safe flame-retardant control cable
96	ZR-IA VP ₃ V ₃₂ -2	铜芯聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽及单层总屏蔽细钢丝铠装本安阻燃控制电缆 Cu core PVC insulated PVC sheathed Al/plastic compound film two layers separate shield and single layer general shield thin steel wire armored intrinsically safe flame-retardant control cable
97	ZR-IA VP ₂ PV-1-105	铜芯耐热聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Cu tape woven Cu wire separate shield intrinsically safe flame-retardant control cable
98	ZR-IA VP ₂ PV-2-105	铜芯耐热聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Cu tape woven Cu wire separate shield and woven Cu wire general shield intrinsically safe flame-retardant control cable
99	ZR-IA VP ₃ PV-1-105	铜芯耐热聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Al/plastic compound film woven Cu wire separate shield intrinsically safe flame-retardant control cable
100	ZR-IA VP ₂ PV-2-105	铜芯耐热聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽及铜丝编织总屏蔽本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Al/plastic compound film woven Cu wire separate shield and woven Cu wire general shield intrinsically safe flame-retardant control cable
101	ZR-IA VP ₂ V-1-105	铜芯耐热聚氯乙烯绝缘及护套铜带双层分屏蔽本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Cu tape two layers separate shield intrinsically safe flame-retardant control cable
102	ZR-IA VP ₂ V-2-105	铜芯耐热聚氯乙烯绝缘及护套铜带双层分屏蔽及单层总屏蔽本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Cu tape two layers separate shield and single layer general shield intrinsically safe flame-retardant control cable
103	ZR-IA VP ₃ V-1-105	铜芯耐热聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Al/plastic compound film two layers separate shield intrinsically safe flame-retardant control cable
104	ZR-IA VP ₃ V-2-105	铜芯耐热聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽及单层总屏蔽本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Al/plastic compound film two layers separate shield and single layer general shield intrinsically safe flame-retardant control cable
105	ZR-IA VP ₂ PV ₂₂ -1-105	铜芯耐热聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽钢带铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Cu tape woven Cu wire separate shield steel tape armored intrinsically safe flame-retardant control cable
106	ZR-IA VP ₂ PV ₂₂ -2-105	铜芯耐热聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽钢带铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Cu tape woven Cu wire separate shield and woven Cu wire general shield steel tape armored intrinsically safe flame-retardant control cable
107	ZR-IA VP ₃ PV ₂₂ -1-105	铜芯耐热聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽钢带铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Al/plastic compound film woven Cu wire separate shield steel tape armored intrinsically safe flame-retardant control cable
108	ZR-IA VP ₃ PV ₂₂ -2-105	铜芯耐热聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽及铜丝编织总屏蔽钢带铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Al/plastic compound film woven Cu wire separate shield and woven Cu wire general shield steel tape armored intrinsically safe flame-retardant control cable

续表 1 Continued table 1

序号 Serial No.	型号 Model	名称 Designation
109	ZR-IA VP ₂ V ₂₂ -1-105	铜芯耐热聚氯乙烯绝缘及护套铜带双层分屏蔽钢带铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Cu tape two layers separate shield steel tape armored intrinsically safe flame-retardant control cable
110	ZR-IA VP ₂ V ₂₂ -2-105	铜芯耐热聚氯乙烯绝缘及护套铜带双层分屏蔽及单层总屏蔽钢带铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Cu tape two layers separate shield and single layer general shield steel tape armored intrinsically safe flame-retardant control cable
111	ZR-IA VP ₃ V ₂₂ -1-105	铜芯耐热聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽钢带铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Al/plastic compound film two layers separate shield steel tape armored intrinsically safe flame-retardant control cable
112	ZR-IA VP ₃ V ₂₂ -2-105	铜芯耐热聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽及单层总屏蔽钢带铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Al/plastic compound film two layers separate shield and single layer general shield steel tape armored intrinsically safe flame-retardant control cable
113	ZR-IA VP ₂ PV ₃₂ -1-105	铜芯耐热聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽细钢丝铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Cu tape woven Cu wire separate shield thin steel wire armored intrinsically safe flame-retardant control cable
114	ZR-IA VP ₂ PV ₃₂ -2-105	铜芯耐热聚氯乙烯绝缘及护套铜带铜丝编织分屏蔽及铜丝编织总屏蔽细钢丝铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Cu tape woven Cu wire separate shield and woven Cu wire general shield thin steel wire armored intrinsically safe flame-retardant control cable
115	ZR-IA VP ₃ PV ₃₂ -1-105	铜芯耐热聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽细钢丝铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Al/plastic compound film woven Cu wire separate shield thin steel wire armored intrinsically safe flame-retardant control cable
116	ZR-IA VP ₃ PV ₃₂ -2-105	铜芯耐热聚氯乙烯绝缘及护套铝 / 塑复合膜铜丝编织分屏蔽及铜丝编织总屏蔽细钢丝铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Al/plastic compound film woven Cu wire separate shield and woven Cu wire general shield thin steel wire armored intrinsically safe flame-retardant control cable
117	ZR-IA VP ₂ V ₃₂ -1-105	铜芯耐热聚氯乙烯绝缘及护套铜带双层分屏蔽细钢丝铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Cu tape two layers separate shield thin steel wire armored intrinsically safe flame-retardant control cable
118	ZR-IA VP ₂ V ₃₂ -2-105	铜芯耐热聚氯乙烯绝缘及护套铜带双层分屏蔽及单层总屏蔽细钢丝铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Cu tape two layers separate shield and single layer general shield thin steel wire armored intrinsically safe flame-retardant control cable
119	ZR-IA VP ₃ V ₃₂ -1-105	铜芯耐热聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽细钢丝铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Al/plastic compound film two layers separate shield thin steel wire armored intrinsically safe flame-retardant control cable
120	ZR-IA VP ₃ V ₃₂ -2-105	铜芯耐热聚氯乙烯绝缘及护套铝 / 塑复合膜双层分屏蔽及单层总屏蔽细钢丝铠装本安阻燃控制电缆 Cu core heat-resistant PVC insulated and sheathed Al/plastic compound film two layers separate shield and single layer general shield thin steel wire armored intrinsically safe flame-retardant control cable

4 型号说明 Model explanation

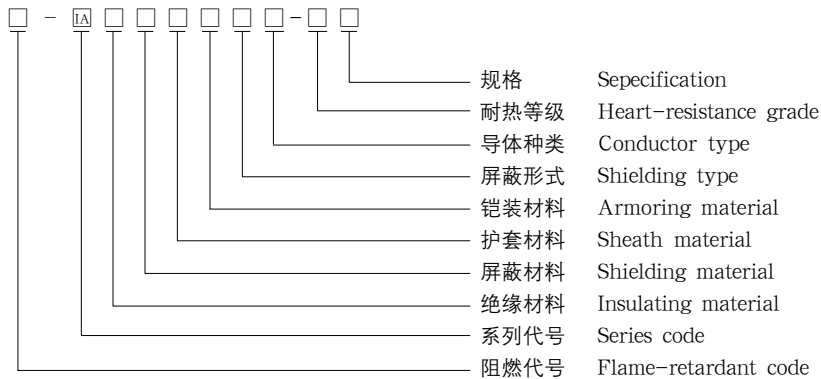


表 2 Table 2

项目 Item	代号 Code	说明 Explanation
阻燃代号 Flame-retardant code	I	非阻燃可省略 Non-flame-retardant omitted
	ZR	阻燃 Flame-retardant
	ZRA	A 级阻燃 Grade A Flame-retardant
	ZRB	B 级阻燃 Grade B Flame-retardant
	ZRC	C 级阻燃 Grade C Flame-retardant
系列代号 Series code	IA	本质安全电路用电缆 Intrinsically safe circuit cable
绝缘材料 Insulating material	Y	聚乙烯 PE
	V	聚氯乙烯 PVC
	V _D	低烟低卤聚氯乙烯 Low-smoke Low-halogen PVC
	E	低烟无卤聚烯烃 Low-smoke halogen-free polyolefin
	F	F46 绝缘 F46 Insulated
屏蔽材料 Shield material	P	铜丝编织 P 和 P ₂ 、P ₁ 和 P ₃ 可以组合屏蔽 Woven Cu wire pand P ₂ , P ₁ and P ₃ could composite screen
	P ₁	镀锡铜丝编织 Tin-plated woven Cu wire braid
	P ₂	铜带 Cu tape
	P ₃	铝/塑复合膜 Al/plastic compound film
护套材料 Sheath material	Y	聚乙烯 PE
	V	聚氯乙烯 PVC
	V _D	低烟低卤聚氯乙烯 Low-smoke Low-halogen PVC
	E	低烟无卤聚烯烃 Low-smoke halogen-free polyolefin
铠装材料 Armor material	2	钢带铠装 Steel tape armored
	3	细钢丝铠装 Thin steel wire armored
外护套材料 Outer sheath material	2	聚氯乙烯 PVC
	3	聚乙烯 PE
屏蔽形式 Shielding type	1	只有分屏蔽 Individual shield only
	2	分屏蔽和总屏蔽 Seperate shield and general shield
导体种类 Conductor type	A	单股导体 single strand conductor
	B	七股绞合导体 7-Strands twisted conductor
	R	多股软导体 muti-strands flexiable conductor
耐热等级 Heat-resistance grade	/	最高工作温度 70℃ 省略 Max.operating temp. 70℃ omitted
	90	最高工作温度 90℃ Max.operating temp. 90℃
	105	最高工作温度 105℃ Max.operating temp. 105℃

例 1: 聚乙烯绝缘聚氯乙烯护套 12 对 0.75mm² 二芯组本安控制电缆表示为:

1. 铜带铜丝编织分屏蔽型(B 类线芯): IAYP₂PV-1B 12 × 2 × 0.75
2. 铜带铜丝编织分屏蔽及总屏蔽型(R 类线芯): IAYP₂PV-2R 12 × 2 × 0.75
3. 铜带铜丝编织分屏蔽钢带铠装型(A 类线芯): IAYP₂PV₂₂-1A 12 × 2 × 0.75
4. 铜带铜丝编织分屏蔽细钢丝铠装型(B 类线芯): IAYP₂PV₃₂-1B 12 × 2 × 0.75
5. 铝 / 塑复合膜镀锡铜丝编织分屏蔽型(A 类线芯): IAYP₃P₁V-1A 12 × 2 × 0.75

E.G.1: PE insulated PVC sheathed 12 pairs 0.75mm² two core groups intrinsically safe control cable are show as following:

1. Cu tape woven Cu wire seporate shielded(Type B core): IAYP₂PV-1B 12 × 2 × 0.75
2. Cu tape woven Cu wire seporate shielded and general shielded(Type R core): IAYP₂PV-2R 12 × 2 × 0.75
3. Cu tape woven Cu wire seporate shielded steel tape armored(Type A core): IAYP₂PV₂₂-1A 12 × 2 × 0.75
4. Cu tape woven Cu wire seporate shielded steel wire armored(Type B core): IAYP₂PV₃₂-1B 12 × 2 × 0.75
5. Al/plastic compound film tin-plated woven Cu wire seporate shield (Type A core): IAYP₃P₁V-1A 12 × 2 × 0.75

例 2: 聚氯乙烯绝缘及护套 12 对 0.75mm² 二芯组电缆的表示只须将例 1 中的 “Y” 改变成 “V 即可”

如: 铜带铜丝编织分屏蔽型可表示为: IAVP₂PV-1 12 × 2 × 0.75

若需要镀锡线芯本安电缆可在型号后加 X 如: IAVP₂PVX-1 12 × 2 × 0.75

E.G.2: to replace the “Y” by “V” of e.g.1 for “PVC” insulated and sheathed 12 pairs 0.75mm² two core groups cable.

For example: Cu tape woven Cu wire seporate shield is show as: IAVP₂PV-1 12 × 2 × 0.75

If tin-plated core intrinsically safe cable is required just add “X” following model: IAVP₂PVX-1 12 × 2 × 0.75

5 使用特性 Using feature

5.1 额定电压:U₀/U:300/500V;

5.2 最高工作温度: 一般型不超过 70℃, 型号后带 105 的最高不超过 105℃;

5.3 最低环境温度: 固定敷设: -40℃, 非固定敷设: -15℃;

5.4 最小弯曲半径: 无铠装层电缆应不小于电缆外径的 6 倍; 有铠装层电缆应不小于电缆外径的 12 倍。

5.1 Rated voltage: U₀/U:300/500V;

5.2 Max. operating temp: ≤ 70℃ for common model; ≤ 105℃ for the models with “105”;

5.3 Min. embient temp: fixed installation -40℃; not-fixed installation -15℃。

5.4 Min bending radius:non-armored cable ≥ 6 times outer dia of cable; armored cable ≥ 12 times outer dia of cable.

6 主要技术指标 Main technical performances

表 3 Table 3

项目 Item	单位 Unit	技术指标 Technical performances	
		PE 绝缘 PE insulation	PVC 绝缘 PVC insulation
工作电容(芯-芯)(1kHz) ≤ Operating capacitance (core-core)(1kHz) ≤	ρF/m	90	180
电容不平衡(1kHz) ≤ Unbalanced capacitance(1kHz) ≤	ρF/m	1	/
分布电感 ≤ Distributed inductance ≤	μH/m	0.6	0.6
电感电阻比 ≤ Inductance resistance ≤	0.5mm ²	20	20
	0.75mm ²		
	1.0mm ²		
	1.5mm ²		
抗外磁场干扰(400A/m) ≤ Diamagnetism	mV	5	5
抗静电感应(20kV) ≤ Anti-electrostatic	mV	80	80
抗射频干扰(120dB)在 20-200MHz 频带内透入 ≤ Anti-radio frequency	dB	60	60
绝缘电阻(20℃) ≥ Insulation resistance	MΩ.km	5000	25
试验电压 Test voltage	V/1min	1000	1000
阻燃性 Flame-retardant		符合 GB12666.5-90 要求 Complies with GB12666.5-90 standards	符合 GB12666.5-90 要求 Complies with GB 12666.5-90 standards

注：阻燃性要求不适用于非阻燃型电缆

Remark: Flame-retardant feature in not suitable for Non-flame retardant cable.

7 电缆规格 Specification cable

表 4 Table 4

型号 Type		二芯或三线组数 Pair No.of 2 core 3 core	标称截面 mm ² Nominal cross section area mm ²
IAYP ₂ PV-1	IAMP ₂ PV-1	1 ~ 37	0.5 0.75 1.0 1.5
IAYP ₂ PV-2	IAMP ₂ PV-2		
IAYP ₃ PV-1	IAMP ₃ PV-1		
IAYP ₃ PV-2	IAMP ₃ PV-2		
IAYP ₂ V-1	IAMP ₂ V-1		
IAYP ₂ V-2	IAMP ₂ V-2		
IAYP ₃ V-1	IAMP ₃ V-1		
IAYP ₃ V-2	IAMP ₃ V-2		
ZR-IAYP ₂ PV-1	ZR-IAMP ₂ PV-1		
ZR-IAYP ₂ P ₁ V-2	ZR-IAMP ₂ P ₁ V-2		
ZR-IAYP ₃ PV-1	ZR-IAMP ₃ PV-1		
ZR-IAYP ₃ PV-2	ZR-IAMP ₃ PV-2		

表 4 Table 4

型号 Type		二芯或三线组数 Pair No.of 2 core 3 core	标称截面 mm ² Nominal cross section area mm ²
ZR-IAYP ₂ V-1 ZR-IAYP ₂ V-2 ZR-IAYP ₃ V-1 ZR-IAYP ₃ V-2	ZR-IAVP ₂ V-1 ZR-IAVP ₂ V-2 ZR-IAVP ₃ V-1 ZR-IAVP ₃ V-2	1 ~ 37	0.5 0.75 1.0 1.5
IAYP ₂ PV22-1 IAYP ₂ PV22-2 IAYP ₃ PV22-1 IAYP ₃ PV22-2 IAYP ₂ V22-1 IAYP ₂ V22-2 IAYP ₃ V22-1 IAYP ₃ V22-2 ZR-IAYP ₂ PV22-1 ZR-IAYP ₂ PV22-2 ZR-IAYP ₃ PV22-1 ZR-IAYP ₃ PV22-2 ZR-IAYP ₂ V22-1 ZR-IAYP ₂ V22-2 ZR-IAYP ₃ V22-1 ZR-IAYP ₃ V22-2	IAVP ₂ PV22-1 IAVP ₂ PV22-2 IAVP ₃ PV22-1 IAVP ₃ PV22-2 IAVP ₂ V22-1 IAVP ₂ V22-2 IAVP ₃ V22-1 IAVP ₃ V22-2 ZR-IAVP ₂ PV22-1 ZR-IAVP ₂ P ₁ V22-2 ZR-IAVP ₃ PV22-1 ZR-IAVP ₃ PV22-2 ZR-IAVP ₂ V22-1 ZR-IAVP ₂ V22-2 ZR-IAVP ₃ V22-1 ZR-IAVP ₃ V22-2	2 ~ 37	0.5 0.75 1.0 1.5
IAYP ₂ PV32-1 IAYP ₂ PV32-2 IAYP ₃ PV32-1 IAYP ₃ PV32-2 IAYP ₂ V32-1 IAYP ₂ V32-2 IAYP ₃ V32-1 IAYP ₃ V32-2 ZR-IAYP ₂ PV32-1 ZR-IAYP ₂ P ₁ V32-2 ZR-IAYP ₃ PV32-1 ZR-IAYP ₃ PV32-2 ZR-IAYP ₂ V32-1 ZR-IAYP ₂ V32-2 ZR-IAYP ₃ V32-1 ZR-IAYP ₃ V32-2	IAVP ₂ PV32-1 IAVP ₂ PV32-2 IAVP ₃ PV32-1 IAVP ₃ PV32-2 IAVP ₂ V32-1 IAVP ₂ V32-2 IAVP ₃ V32-1 IAVP ₃ V32-2 ZR-IAVP ₂ PV32-1 ZR-IAVP ₂ P ₁ V32-2 ZR-IAVP ₃ PV32-1 ZR-IAVP ₃ PV32-2 ZR-IAVP ₂ V32-1 ZR-IAVP ₂ V32-2 ZR-IAVP ₃ V32-1 ZR-IAVP ₃ V32-2	4 ~ 24	0.5 0.75 1.0 1.5

8 交货长度 Delivery length

无铠装电缆 10 对及以下 1000 米，10 对以上 500 米；有铠装电缆 8 对及以下 1000 米，8 对以上 500 米允许 50 米以上的短线交货，数量不超过交货总量的 6%，如有特殊要求供需双方另行协商。

Non-armored cable 10 pairs and below 1000m, more than 10 pairs 500m; armored cable 8 pairs and below 1000m, more than 8 pairs 500m; short length more than 50m can be delivered but not exceed 6% of total delivery special requirement can be discussed between supplier and buyer.