

聚氯乙烯绝缘和护套电力电缆 (GB 12706-2008)
PVC Insulation and Sheathed Power Cable (GB 12706-2008)



用途 Application

- 1.1 本产品适用于交流50Hz。额定电压 0.6/1kV的线路中， 供输配电能之用。
1.1 The product is used in power distribution and transmission at rated voltage 0.6/1kV,50HZ.

使用特性 Usage property

- 2.1 电缆导体的最高额定温度为70℃。
2.2 短路时，（最长持续时间不超过5s）电缆导体的最高温度不超过160℃。
2.3 敷设时电缆时的环境温度不低于0℃，最小弯曲半径应不小于电缆外径的10倍。
2.1 The long-time working temperature of cable should not be higher than70℃.
2.2 When in short-circuit(max5s)the max temperature of core should not exceed 160℃.
2.3 While installation the ambient temperature should not be lower than 0℃, and the bending radius should not be less than10times of outer diameter of cable.

型号、名称和使用范围(见表1) Model, name and application(see table 1)

型号 Model	名称 Name	适用范围 Main application
VV VLV	聚氯乙烯绝缘聚氯乙烯护套电力电缆 PVC insulated PVC sheathed power cable	敷设在室内、隧道及管道中，电缆不能承受压力和机械外力作用。 for laying in doors, inducts and in tunels, but unable to bear pulling force and pressure.
VV ₃₂ VLV ₃₂	聚氯乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 PVC insulated steel tape armoured PVC sheathed power cable	敷设在室内、隧道及直埋土壤中，电缆能承受压力和其他外力作用。 for laying in doors, in tunnels and direct in ground, able to bear pulling force and pressure.
VV ₃₂ VLV ₃₂	聚氯乙烯绝缘细钢丝铠装聚氯乙烯护套电力电缆 PVC insulated thin steel wire armoured PVC sheathed power cable	敷设在室内、矿井中，水中，电缆能承受相当的拉力。 for laying down wells and under water, able to bear certain axis pulling force.
ZR-VV ZR-VLV	聚氯乙烯绝缘聚氯乙烯护套阻燃电力电缆 PVC insulated PVC sheathed flame retardant power cable	敷设在室内、隧道及管道中，电缆不能承受压力和机械外力作用。 for laying in doors, inducts and in tunnels, but unable to bear pulling force and pressure.
ZR-VV ₃₂ ZR-VLV ₃₂	聚氯乙烯绝缘钢带铠装聚氯乙烯护套阻燃电力电缆 PVC insulated steel tape armoured PVC sheathed flame retardant power cable	敷设在室内、隧道及直埋土壤中，电缆能承受压力和其他外力作用。 for laying in doors, in tunnels and direct in ground, able to bear pulling force and pressure.
ZR-VV ₃₂ ZR-VLV ₃₂	聚氯乙烯绝缘细钢丝铠装聚氯乙烯护套阻燃电力电缆 PVC insulated thin steel wire armoured PVC sheathed flame retardant power cable	敷设在室内、矿井中，水中，电缆能承受相当的拉力。 for laying down wells and under water, able to bear certain axis pulling force.

电缆结构尺寸 Cable structure size

VV, VLV, ZRVV, ZRVLV, NHVV, NHVLV 0.6/1kVPVC 绝缘PVC护套阻燃或非阻燃电力电缆
VV, VLV, ZRVV, ZRVLV, NHVV, NHVLV 0.6/1kV PVC Insulated PVC sheathed flame retardant and non-flame retardant power cable
单芯 (1 core)

导线标称截面 Nominal cross section area of conductor (mm ²)	导体中单线根数 Single quantity of conductor	绝缘厚度 Insulation thickness (mm)	护套厚度 Sheath thickness (mm)	电缆近似外径 Approx overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)		导线直流电阻 DC resistance of conductor(Ω/km)			试验电压 Testing voltage A.C (kV/5min)
					Cu	Al	20℃ Cu	20℃ Al		
1×1.5	1	0.8	1.4	6.1	50.7	41.3	12.1	—	3.5	
1×2.5	1	0.8	1.4	6.5	63.5	47.9	7.41	12.1	3.5	
1×4	1	1.0	1.4	7.4	87.7	63.0	4.61	7.41	3.5	
1×6	1	1.0	1.4	7.9	111.0	75.9	3.08	4.61	3.5	
1×10	7	1.0	1.4	9.2	166.6	93.0	1.83	3.02	3.5	
1×16	7	1.0	1.4	10.3	233.3	132.2	1.15	1.91	3.5	
1×25	7	1.2	1.4	12.0	344.9	185.4	0.727	1.20	3.5	
1×35	7	1.2	1.4	13.2	449.8	228.7	0.524	0.868	3.5	
1×50	19	1.4	1.4	14.9	590.5	289.8	0.387	0.641	3.5	
1×70	19	1.4	1.4	16.7	807.3	374.2	0.268	0.443	3.5	
1×95	19	1.6	1.5	19.3	1102.0	501.4	0.193	0.320	3.5	
1×120	37	1.6	1.5	20.9	1349.0	590.3	0.153	0.253	3.5	
1×150	37	1.8	1.6	23.1	1654.0	721.3	0.124	0.206	3.5	
1×185	37	2.0	1.7	25.6	2060.0	891.6	0.0991	0.164	3.5	
1×240	61	2.2	1.8	28.8	2651.0	1114.0	0.0754	0.125	3.5	
1×300	61	2.4	1.9	31.9	3323.0	1396.0	0.0601	0.100	3.5	
1×400	61	2.6	2.0	35.5	4205.0	1742.0	0.0470	0.0778	3.5	
1×500	61	2.8	2.1	39.7	5359.0	2128.0	0.0366	0.0605	3.5	
1×630	61	2.9	2.2	43.7	6707.0	2605.0	0.0283	0.0469	3.5	
1×800	61	2.9	2.4	46.1	8064.0	3104.0	0.0221	0.0367	3.5	

VV, VLV, ZRVV, ZRVLV, NHVV, NHVLV 0.6/1kVPVC 绝缘PVC护套阻燃或非阻燃电力电缆
VV, VLV, ZRVV, ZRVLV, NHVV, NHVLV 0.6/1kV PVC Insulated PVC sheathed flame retardant and non-flame retardant power cable
2芯 (2 cores)

导线标称截面 Nominal cross section area of conductor (mm ²)	导体中单线根数 Single quantity of conductor	绝缘厚度 Insulation thickness (mm)	护套厚度 Sheath thickness (mm)	电缆近似外径 Approx overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)		导线直流电阻 DC resistance of conductor(Ω/km)			试验电压 Testing voltage A.C
					Cu	Al	20℃ Cu	20℃ Al	(kV/5min)	
2×1.5	1	0.8	1.8	10.5	119	100	12.1	—	3.5	
2×2.5	1	0.8	1.8	11.3	150	118	7.41	12.1	3.5	
2×4	1	1.0	1.8	13.1	210	160	4.61	7.41	3.5	
2×6	1	1.0	1.8	14.1	264	192	3.08	4.61	3.5	
2×10	7	1.0	1.8	16.7	393	242	1.83	3.02	3.5	
2×16	7	1.0	1.8	18.8	541	334	1.15	1.91	3.5	
2×25	7	1.2	1.8	22.2	794	469	0.727	1.20	3.5	
2×35	7	1.2	1.8	24.5	1037	585	0.524	0.868	3.5	
2×50	19	1.4	1.8	21.8	1227	620	0.387	0.641	3.5	
2×70	19	1.4	1.9	24.7	1650	747	0.268	0.443	3.5	
2×95	19	1.6	2.0	29.2	2213	988	0.193	0.320	3.5	
2×120	19	1.6	2.1	31.3	2733	1186	0.153	0.253	3.5	
2×150	37	1.8	2.2	34.7	3396	1462	0.124	0.206	3.5	
2×185	37	2.0	2.4	37.9	3943	1668	0.0991	0.164	3.5	
2×240	61	2.2	2.4	44.3	5315	2168	0.0754	0.125	3.5	
2×300	61	2.4	2.5	49.0	6436	2665	0.0601	0.100	3.5	
2×400	61	2.6	2.8	56.0	8356	3320	0.0470	0.0778	3.5	

VV, VLV, ZRVV, ZRVLV, NHVV, NHVLV 0.6/1kVPVC 绝缘PVC护套阻燃或非阻燃电力电缆
VV, VLV, ZRVV, ZRVLV, NHVV, NHVLV 0.6/1kV PVC Insulated PVC sheathed flame retardant and non-flame retardant power cable
3芯 (3 cores)

导线标称截面 Nominal cross section area of conductor (mm²)	导体中单线根数 Strand No.	绝缘厚度 Insulation thickness (mm)	护套厚度 Sheath thickness (mm)	电缆近似外径 Approx overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)		导线直流电阻 DC resistance of conductor(Ω/km)				试验电压 Testing voltage A.C (kV/5min)
					Cu	Al	20℃	Cu	20℃	Al	
3×1.5	1	0.8	1.8	10.9	142.0	113.0	12.1	—	—	—	3.5
3×2.5	1	0.8	1.8	11.8	187.0	139.0	7.14	12.1	—	—	3.5
3×4	1	1.0	1.8	13.7	265.0	189.0	4.61	7.41	—	—	3.5
3×6	1	1.0	1.8	14.8	335.0	227.0	3.08	4.61	—	—	3.5
3×10	7	1.0	1.8	17.6	514.0	290.0	1.83	3.02	—	—	3.5
3×16	7	1.0	1.8	19.9	728.0	419.0	1.15	1.91	—	—	3.5
3×25	7	1.2	1.8	23.6	1084.0	596.0	0.727	1.20	—	—	3.5
3×35	7	1.2	1.8	26.1	1422.0	745.0	0.524	0.868	—	—	3.5
3×50	19	1.4	1.8	26.5	1801.0	834.0	0.387	0.641	—	—	3.5
3×70	19	1.4	2.0	28.8	2415.0	1061.0	0.268	0.443	—	—	3.5
3×95	19	1.6	2.1	33.6	3205.0	1418.0	0.193	0.320	—	—	3.5
3×120	19	1.6	2.2	37.1	4037.0	1716.0	0.153	0.253	—	—	3.5
3×150	37	1.8	2.3	41.9	5028.0	2127.0	0.124	0.206	—	—	3.5
3×185	37	2.0	2.5	45.9	6180.0	2602.0	0.0991	0.164	—	—	3.5
3×240	37	2.2	2.7	51.8	7949.0	3308.0	0.0754	0.125	—	—	3.5
3×300	61	2.4	2.9	55.3	9780.0	3979.0	0.0601	0.100	—	—	3.5
3×400	61	2.6	3.0	60.6	12103.0	4869.0	0.0470	0.0778	—	—	3.5

VV, VLV, ZRVV, ZRVLV, NHVV, NHVLV 0.6/1kVPVC 绝缘PVC护套阻燃或非阻燃电力电缆
VV, VLV, ZRVV, ZRVLV, NHVV, NHVLV 0.6/1kV PVC Insulated PVC sheathed flame retardant and non-flame retardant power cable
4芯 (4 cores)

导线标称截面 Nominal cross section area of conductor (mm²)	导体中单线根数 Strand No.	绝缘厚度 Insulation thickness (mm)	护套厚度 Sheath thickness (mm)	电缆近似外径 Approx overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)		导线直流电阻 DC resistance of conductor(Ω/km)				试验电压 Testing voltage A.C (kV/5min)
					Cu	Al	20℃	Cu	20℃	Al	
4×2.5	1	0.8	1.8	12.7	232.0	169.0	7.41	12.1	—	—	3.5
4×4	1	1.0	1.8	14.9	322.0	221.0	4.61	7.41	—	—	3.5
4×6	1	1.0	1.8	16.1	422.0	271.0	3.08	4.61	—	—	3.5
4×10	7	1.0	1.8	19.2	649.0	388.0	1.83	3.02	—	—	3.5
4×16	7	1.0	1.8	21.7	922.0	509.0	1.15	1.91	—	—	3.5
4×25	7	1.2	1.8	25.9	1373.0	722.0	0.727	1.20	—	—	3.5
4×35	7	1.2	1.8	28.7	1802.0	899.0	0.524	0.868	—	—	3.5
4×50	19	1.4	1.9	30.4	2380.0	1091.0	0.387	0.641	—	—	3.5
4×70	19	1.4	2.1	33.9	3202.0	1398.0	0.268	0.443	—	—	3.5
4×95	19	1.6	2.2	39.7	4215.0	1866.0	0.193	0.320	—	—	3.5
4×120	19	1.6	2.4	44.2	5359.0	2265.0	0.153	0.253	—	—	3.5
4×150	37	1.8	2.5	48.7	6679.0	2811.0	0.124	0.206	—	—	3.5
4×185	37	2.0	2.7	53.5	8190.0	3420.0	0.0991	0.164	—	—	3.5
4×240	37	2.2	2.9	55.4	10494.0	4305.0	0.0754	0.125	—	—	3.5
4×300	61	2.4	3.0	61.0	12948.0	5388.0	0.0601	0.100	—	—	3.5
4×400	61	2.6	3.2	70.0	16788.0	6708.0	0.0470	0.0778	—	—	3.5

VV, VLV, ZRVV, ZRVLV, NHVV, NHVLV 0.6/1kVPVC 绝缘PVC护套阻燃或非阻燃电力电缆
VV, VLV, ZRVV, ZRVLV, NHVV, NHVLV 0.6/1kV PVC Insulated PVC sheathed flame retardant and non-flame retardant power cable
5芯 (5 cores)

导线标称截面 Nominal cross section area of conductor (mm²)	导体中单线根数 Strand No.	绝缘厚度 Insulation thickness (mm)	护套厚度 Sheath thickness (mm)	电缆近似外径 Approx overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)		导线直流电阻 DC resistance of conductor(Ω/km)				试验电压 Testing voltage A.C (kV/5min)
					Cu	Al	20℃	Cu	20℃	Al	
5×2.5	1	0.8	1.8	13.6	272.0	193.0	7.41	12.1	—	—	3.5
5×4	1	1.0	1.8	16.1	394.0	268.0	4.61	7.41	—	—	3.5
5×6	1	1.0	1.8	17.1	509.0	324.0	3.08	4.61	—	—	3.5
5×10	7	1.0	1.8	21.0	792.0	461.0	1.83	3.02	—	—	3.5
5×16	7	1.0	1.8	23.8	1124.0	608.0	1.15	1.91	—	—	3.5
5×25	7	1.2	1.8	28.7	1696.0	881.0	0.727	1.20	—	—	3.5
5×35	7	1.2	1.9	32.0	2241.0	1113.0	0.524	0.868	—	—	3.5
5×50	19	1.4	2.1	37.4	3158.0	1541.0	0.387	0.641	—	—	3.5
5×70	19	1.4	2.2	41.7	4236.0	1973.0	0.268	0.443	—	—	3.5
5×95	19	1.6	2.4	48.1	5685.0	2614.0	0.193	0.320	—	—	3.5
5×120	19	1.6	2.5	53.0	7662.0	3183.0	0.153	0.253	—	—	3.5
5×150	37	1.8	2.7	58.6	8743.0	3580.0	0.124	0.206	—	—	3.5
5×185	37	2.0	2.9	65.1	10801.0	4767.0	0.0991	0.164	—	—	3.5
5×240	37	2.2	3.1	72.1	13194.0	5461.0	0.0754	0.125	—	—	3.5
5×300	61	2.4	3.4	80.1	16414.0	6964.0	0.0601	0.100	—	—	3.5
5×400	61	2.6	3.6	87.0	21164.0	8564.0	0.0470	0.0778	—	—	3.5

VV, VLV, ZRVV, ZRVLV, NHVV, NHVLV 0.6/1kVPVC 绝缘PVC护套阻燃或非阻燃电力电缆
VV, VLV, ZRVV, ZRVLV, NHVV, NHVLV 0.6/1kV PVC Insulated PVC sheathed flame retardant and non-flame retardant power cable
3+1芯 (3+1 cores)

导线标称截面 Nominal cross section area of conductor (mm ²)	导体中单线根数 Strand No.		绝缘厚度 Insulation thickness (mm)		护套厚度 Sheath thickness (mm)	电缆近似外径 Approx overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)		导线直流电阻 DC resistance of conductor(Ω/km)				试验电压 Testing voltage A.C (kV/5min)
							Cu	Al	20℃ Cu	20℃ Al	20℃ Cu	20℃ Al	
3×4+1×2.5	1	1	1.0	0.8	1.8	14.3	254.0	221.0	4.61	7.41	7.41	12.1	3.5
3×6+1×4	1	1	1.0	1.0	1.8	15.8	400.0	265.0	3.08	4.61	4.61	7.41	3.5
3×10+1×6	7	1	1.0	1.0	1.8	18.5	595.0	334.0	1.83	3.08	3.02	4.61	3.5
3×16+1×10	7	7	1.0	1.0	1.8	21.1	853.0	467.0	1.15	1.83	1.91	3.02	3.5
3×25+1×16	7	7	1.2	1.0	1.8	24.9	1267.0	671.0	0.727	1.15	1.20	1.91	3.5
3×35+1×16	7	7	1.2	1.0	1.8	27.1	1591.0	806.0	0.524	1.15	1.868	1.91	3.5
3×50+1×25	19	7	1.4	1.2	1.9	30.4	2124.0	996.0	0.387	0.727	0.641	1.20	3.5
3×70+1×35	19	7	1.4	1.2	2.0	33.9	2851.0	1271	0.268	0.524	0.443	0.868	3.5
3×95+1×50	19	19	1.6	1.4	2.2	39.5	3844.0	1684.0	0.193	0.387	0.320	0.641	3.5
3×120+1×70	19	19	1.6	1.4	2.3	44.0	4833.0	2060.0	0.153	0.268	0.253	0.443	3.5
3×150+1×95	37	19	1.8	1.4	2.4	48.5	5841.0	2488.0	0.124	0.268	0.206	0.443	3.5
3×185+1×95	37	19	2.0	1.6	2.6	53.3	7246.0	3056.0	0.0991	0.193	0.164	0.320	3.5
3×240+1×120	37	37	2.2	1.6	2.8	55.0	9216.0	3801.0	0.0754	0.153	0.125	0.253	3.5
3×300+1×150	37	61	2.4	1.6	3.1	59.8	11388.0	4769.0	0.0601	0.124	0.100	0.206	3.5
3×400+1×240	37	61	2.6	1.6	3.3	66.0	14562.0	5968.0	0.0470	0.0754	0.0778	0.125	3.5

VV, VLV, ZRVV, ZRVLV, NHVV, NHVLV 0.6/1kV PVC 绝缘PVC护套阻燃或非阻燃电力电缆
VV, VLV, ZRVV, ZRVLV, NHVV, NHVLV 0.6/1kV PVC Insulated PVC sheathed flame retardant and non-flame retardant power cable
4+1芯 (4+1 cores)

导线标称截面 Nominal cross section area of conductor (mm ²)	导体中单线根数 Strand No.		绝缘厚度 Insulation thickness (mm)		护套厚度 Sheath thickness (mm)		电缆近似外径 Approx overall diameter of cable(mm)		导线直流电阻 DC resistance of conductor(Ω/km)				试验电压 Testing voltage A.C (kV/5min)
	相线 phase	中线 Neutral							Cu	Al	20℃ Cu	20℃ Al	
4×4+1×2.5	1	1	1.0	0.8	1.8	15.6	358.0	251.0	4.61	7.41	7.41	12.1	3.5
4×6+1×4	1	1	1.0	1.0	1.8	17.4	493.0	317.0	3.08	4.61	4.61	7.41	3.5
4×10+1×6	7	1	1.0	1.0	1.8	20.3	733.0	347.0	1.83	3.08	3.02	4.61	3.5
4×16+1×10	7	7	1.0	1.0	1.8	23.3	1118.0	588.0	1.15	1.83	1.91	3.02	3.5
4×25+1×16	7	7	1.2	1.0	1.8	27.6	1662.0	527.0	0.727	1.15	1.20	1.91	3.5
4×35+1×16	7	77	1.2	1.0	1.8	30.3	2046.0	1021.0	0.524	1.15	1.868	1.91	3.5
4×50+1×25	19	19	1.4	1.2	2.0	35.8	2820.0	1395.0	0.387	0.727	0.641	1.20	3.5
4×70+1×35	19	7	1.4	1.2	2.1	39.9	3782.0	1787.0	0.268	0.524	0.443	0.868	3.5
4×95+1×50	19	19	1.6	1.4	2.3	46.0	5088.0	2365.0	0.193	0.387	0.320	0.641	3.5
4×120+1×70	19	19	1.6	1.4	2.5	51.0	6394.0	2911.0	0.153	0.268	0.253	0.443	3.5
4×150+1×95	37	19	1.8	1.4	2.6	55.4	7725.0	3482.0	0.124	0.268	0.206	0.320	3.5
4×185+1×120	37	19	2.0	1.6	2.8	61.9	9894.0	4607.0	0.0991	0.193	0.164	0.253	3.5
4×240+1×150	37	37	2.2	1.6	3.0	69.7	12306.0	5466.0	0.0754	0.153	0.125	0.206	3.5
4×300+1×185	61	37	2.4	1.6	3.2	74.3	15397.0	6888.0	0.0601	0.124	0.100	0.164	3.5
4×400+1×240	61	37	2.6	1.6	3.4	97.1	19928.0	8366.0	0.0470	0.0754	0.0778	0.125	3.5

VV₂₂, VLV₂₂, ZRVV₂₂, ZRVLV₂₂, NHVV₂₂, NHVLV₂₂ 0.6/1kV PVC 绝缘钢带铠装PVC护套阻燃或非阻燃电力电缆
0.6/1kV PVC Insulated steel armoured PVC sheathed flame retardant and non-flame retardant power cable
单芯 (1 core)

导线标称截面 Nominal cross section area of conductor (mm ²)	导体中单 线根数 Strand No.	绝缘厚度 Insulation thickness (mm)	钢带厚度 Steel tape thick	外护套厚度 Outer sheath thick(mm)	电缆近似外径 Approx overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)		导线直流电阻 DC resistance of conductor(Ω/km)				试验电压 Testing voltage A.C (kV/5min)
						Cu	Al	20℃ Cu	20℃ Al			
1×10	7	1.0	2×0.5	1.4	13.6	348	265	1.83	3.02			3.5
1×16	7	1.0	2×0.5	1.4	14.6	432.0	331.0	1.15	1.91			3.5
1×25	7	1.2	2×0.5	1.4	16.4	574.0	415.0	0.727	1.20			3.5
1×35	7	1.2	2×0.5	1.5	17.5	699.0	487.0	0.524	0.868			3.5
1×50	19	1.4	2×0.5	1.5	19.3	870.0	569.0	0.378	0.641			3.5
1×70	19	1.4	2×0.5	1.6	21.1	1118.0	685.0	0.268	0.443			3.5
1×95	19	1.6	2×0.5	1.6	23.4	1444.0	844.0	0.193	0.320			3.5
1×120	37	1.6	2×0.5	1.7	25.0	1719.0	960.0	0.153	0.253			3.5
1×150	37	1.8	2×0.5	1.7	27.0	2064.0	113.0	0.124	0.206			3.5
1×185	37	2.0	2×0.5	1.8	30.7	2672.0	1503.0	0.0991	0.164			3.5
1×240	61	2.2	2×0.5	1.9	33.3	3353.0	1816.0	0.0754	0.125			3.5
1×300	61	2.4	2×0.5	2.0	36.4	4072.0	2145.0	0.0601	0.100			3.5
1×400	61	2.6	2×0.5	2.1	40.1	5033.0	2570.0	0.0470	0.0778			3.5
1×500	61	2.8	2×0.5	2.2	44.1	6277.0	3099.0	0.0366	0.0605			3.5
1×630	91	2.9	2×0.5	2.3	48.7	7746.0	3674.0	0.0283	0.0469			3.5
1×800	91	2.9	2×0.5	2.6	51.4	9075.0	4177.0	0.0221	0.0367			3.5

VV₂₂, VLV₂₂, ZRVV₂₂, ZRVLV₂₂, NHVV₂₂, NHVLV₂₂ 0.6/1kV PVC 绝缘钢带铠装PVC护套阻燃或非阻燃电力电缆
0.6/1kV PVC Insulated steel armoured PVC sheathed flame retardant and non-flame retardant power cable
2芯 (2 cores)

导线标称截面 Nominal cross section area of conductor (mm ²)	导体中单 线根数 Strand No.	绝缘厚度 Insulation thickness (mm)	钢带厚度 Steel tape thick	外护套厚度 Outer sheath thick(mm)	电缆近似外径 Approx overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)		导线直流电阻 DC resistance of conductor(Ω/km)				试验电压 Testing voltage A.C (kV/5min)
						Cu	Al	20℃ Cu	20℃ Al			
2×4	1	1.0	2×0.2	1.8	16.6	424	374	4.61	7.41			3.5
2×6	1	1.0	2×0.2	1.8	17.6	493	419	3.08	4.61			3.5
2×10	7	1.0	2×0.2	1.8	19.2	663	539	1.83	3.02			3.5
2×16	7	1.0	2×0.2	1.8	22.3	844	647	1.15	1.91			3.5
2×25	7	1.2	2×0.2	1.8	25.8	1154	842	0.727	1.20			3.5
2×35	7	1.2	2×0.2	1.8	28.1	1431	988	0.524	0.868			3.5
2×50	19	1.4	2×0.2	1.8	25.6	1589	1034	0.387	0.641			3.5
2×70	19	1.4	2×0.5	2.0	29.3	2243	1378	0.268	0.443			3.5
2×95	19	1.6	2×0.5	2.1	33.8	2909	1735	0.193	0.320			3.5
2×120	19	1.6	2×0.5	2.2	35.9	3475	1991	0.153	0.253			3.5
2×150	37	1.8	2×0.5	2.4	39.7	4250	2400	0.124	0.206			3.5
2×185	37	2.0	2×0.5	2.5	42.8	5010	2723	0.0991	0.164			3.5
2×240	61	2.2	2×0.5	2.5	49.5	6067	3090	0.0754	0.125			3.5
2×300	61	2.4	2×0.5	2.5	52.0	7167	3396	0.0601	0.100			3.5
2×400	61	2.4	2×0.5	2.7	58.5	8956	4156	0.0470	0.0778			3.5

VV₂₂, VLV₂₂, ZRVV₂₂, ZRVLV₂₂, NHVV₂₂, NHVLV₂₂ 0.6/1kV PVC 绝缘钢带铠装PVC护套阻燃或非阻燃电力电缆
0.6/1kV PVC Insulated steel armoured PVC sheathed flame retardant and non-flame retardant power cable
3芯 (3 cores)

导线标称截面 Nominal cross section area of conductor (mm ²)	导体中单 线根数 Strand No.	绝缘厚度 Insulation thickness (mm)	钢带厚度 Steel tape thick	外护套厚度 Outer sheath thick(mm)	电缆近似外径 Approx overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)		导线直流电阻 DC resistance of conductor(Ω/km)		试验电压 Testing voltage A.C
						Cu	Al	20℃ Cu	20℃ Al	
3×4	1	1.0	2×0.2	1.8	17.3	489	414	4.61	7.41	3.5
3×6	1	1.0	2×0.2	1.8	18.4	577	472	3.08	4.61	3.5
3×10	7	1.0	2×0.2	1.8	21.2	800	559	1.83	3.02	3.5
3×16	7	1.0	2×0.2	1.8	23.5	1050	740	1.15	1.91	3.5
3×25	7	1.2	2×0.2	1.8	27.2	1465	976	0.27	1.20	3.5
3×35	7	1.2	2×0.2	1.8	30.7	2149	1372	0.524	0.868	3.5
3×50	19	1.4	2×0.2	1.9	31.3	2453	1486	0.387	0.641	3.5
3×70	19	1.4	2×0.2	2.1	33.6	3116	1763	0.268	0.443	3.5
3×95	19	1.6	2×0.2	2.2	38.3	4053	2216	0.193	0.320	3.5
3×120	19	1.6	2×0.2	2.3	41.9	4930	2609	0.153	0.253	3.5
3×150	37	1.8	2×0.2	2.5	47.1	6075	3174	0.124	0.206	3.5
3×185	37	2.0	2×0.2	2.6	50.9	7299	3721	0.0991	0.164	3.5
3×240	37	2.2	2×0.2	2.8	57.0	9213	4590	0.0754	0.125	3.5
3×300	37	2.4	2×0.2	3.0	61.1	11185	5438	0.0601	0.100	3.5
3×400	61	2.4	2×0.2	3.2	70.5	13330	5950	0.0470	0.0778	3.5

VV₂₂, VLV₂₂, ZRVV₂₂, ZRVLV₂₂, NHVV₂₂, NHVLV₂₂ 0.6/1kV PVC 绝缘钢带铠装PVC护套阻燃或非阻燃电力电缆
0.6/1kV PVC Insulated steel armoured PVC sheathed flame retardant and non-flame retardant power cable
4芯 (4 cores)

导线标称截面 Nominal cross section area of conductor (mm ²)	导体中单 线根数 Strand No.	绝缘厚度 Insulation thickness (mm)	钢带厚度 Steel tape thick	外护套厚度 Outer sheath thick(mm)	电缆近似外径 Approx overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)		导线直流电阻 DC resistance of conductor(Ω/km)		试验电压 Testing voltage A.C
						Cu	Al	20℃ Cu	20℃ Al	
4×4	1	1.0	2×0.2	1.8	1.85	565	464	4.6	7.41	3.5
4×6	1	1.0	2×0.2	1.8	19.7	685	533	3.08	4.61	3.5
4×10	7	1.0	2×0.2	1.8	22.8	960	699	1.83	3.02	3.5
4×16	7	1.0	2×0.2	1.8	25.3	1273	851	1.15	1.91	3.5
4×25	7	1.2	2×0.2	1.8	30.5	1998	1374	0.27	1.20	3.5
4×35	7	1.2	2×0.2	1.9	35.2	2505	1602	0.524	0.868	3.5
4×50	19	1.4	2×0.5	2.0	38.2	3122	1832	0.387	0.641	3.5
4×70	19	1.4	2×0.5	2.2	38.7	4025	2220	0.268	0.443	3.5
4×95	19	1.6	2×0.5	2.4	44.7	5291	2842	0.193	0.320	3.5
4×120	19	1.6	2×0.5	2.5	49.4	6464	3370	0.153	0.253	3.5
4×150	37	1.8	2×0.5	2.6	53.7	7866	3998	0.124	0.206	3.5
4×185	37	2.0	2×0.5	2.8	58.9	9542	4772	0.0991	0.164	3.5
4×240	37	2.2	2×0.5	3.0	61.0	11916	5727	0.0754	0.125	3.5
4×300	61	2.4	2×0.5	3.0	67.0	14118	6558	0.0601	0.100	3.5
4×400	61	2.4	2×0.5	3.4	73.6	19950	9366	0.0470	0.0778	3.5

VV₂₂, VLV₂₂, ZRVV₂₂, ZRVLV₂₂, NHVV₂₂, NHVLV₂₂ 0.6/1kV PVC 绝缘钢带铠装PVC护套阻燃或非阻燃电力电缆
0.6/1kV PVC Insulated steel armoured PVC sheathed flame retardant and non-flame retardant power cable
5芯 (5 cores)

导线标称截面 Nominal cross section area of conductor (mm ²)	导体中单 线根数 Strand No.	绝缘厚度 Insulation thickness (mm)	钢带厚度 Steel tape thick	外护套厚度 Outer sheath thick(mm)	电缆近似外径 Approx overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)		导线直流电阻 DC resistance of conductor(Ω/km)		试验电压 Testing voltage A.C
						Cu	Al	20℃ Cu	20℃ Al	
5×2.5	1	0.8	2×0.2	1.8	17.3	488	409	7.14	12.1	3.5
5×4	1	1.0	2×0.2	1.8	19.7	644	518	4.61	7.41	3.5
5×6	1	1.0	2×0.2	1.8	21.3	790	605	3.08	4.61	3.5
5×10	7	1.0	2×0.2	1.8	24.6	1110	779	1.83	3.02	3.5
5×16	7	1.0	2×0.2	1.8	27.4	1485	970	1.15	1.91	3.5
5×25	7	1.2	2×0.2	1.8	33.3	2339	1525	0.27	1.20	3.5
5×35	7	1.2	2×0.5	2.0	36.6	2953	1822	0.524	0.666	3.5
5×50	19	1.4	2×0.5	2.2	41.6	3975	2392	0.387	0.641	3.5
5×70	19	1.4	2×0.5	2.3	45.5	5125	2909	0.268	0.443	3.5
5×95	19	1.6	2×0.5	2.5	52.1	6798	3790	0.193	0.320	3.5
5×120	19	1.6	2×0.5	2.6	57.3	8217	4418	0.153	0.253	3.5
5×150	37	1.8	2×0.5	2.8	63.1	10030	5280	0.124	0.206	3.5
5×185	37	2.0	2×0.5	3.2	69.9	12275	6418	0.0991	0.164	3.5
5×240	37	2.2	2×0.5	3.2	77.1	15077	7343	0.0754	0.125	3.5
5×300	61	2.4	2×0.5	3.5	86.5	18214	8764	0.0601	0.100	3.5
5×400	61	2.4	2×0.5		92.2	22864	10264	0.0470	0.0778	3.5

VV₂₂, VLV₂₂, ZRVV₂₂, ZRVLV₂₂, NHVV₂₂, NHVLV₂₂ 0.6/1kV PVC 绝缘钢带铠装PVC护套阻燃或非阻燃电力电缆
0.6/1kV PVC Insulated steel armoured PVC sheathed flame retardant and non-flame retardant power cable
(3+1)芯 (3+1 cores)

导线标称截面 Nominal cross section area of conductor (mm ²)	导体中单 线根数 Strand No.	绝缘厚度 Insulation thickness (mm)	钢带厚度 Steel tape thick	外护套厚度 Outer sheath thick(mm)	电缆近似外径 Approx overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)		导线直流电阻 DC resistance of conductor(Ω/km)				试验电压 Testing voltage A.C		
						Cu	Al	20℃ Cu	20℃ Al	20℃ Al				
3×4+1×2.5	1	1	1.0	0.8	2×0.2	1.8	17.9	538.0	446.0	4.61	7.41	7.41	12.1	3.5
3×6+1×4	1	1	1.0	1.0	2×0.2	1.8	19.5	657.0	524.0	3.08	4.61	4.61	7.41	3.5
3×10+1×6	7	7	1.0	1.0	2×0.2	1.8	22.1	894.0	619.0	1.83	3.08	3.02	4.61	3.5
3×16+1×10	7	7	1.0	1.0	2×0.2	1.8	24.7	1194.0	804.0	1.15	1.83	1.91	3.02	3.5
3×25+1×16	7	7	1.2	1.0	2×0.2	1.8	28.5	1668.0	1072.0	0.727	1.15	1.20	1.91	3.5
3×35+1×16	7	7	1.2	1.0	2×0.2	1.8	31.5	2243.0	1458.0	0.524	1.15	0.686	1.91	3.5
3×50+1×25	19	7	1.4	1.2	2×0.2	2.0	35.0	2852.0	1723.0	0.387	0.727	0.641	1.20	3.5
3×70+1×35	19	7	1.4	1.2	2×0.2	2.1	38.5	3657.0	2077.0	0.268	0.524	0.443	0.868	3.5
3×95+1×50	19	19	1.6	1.4	2×0.2	2.3	44.3	4796.0	2636.0	0.193	0.387	0.320	0.641	3.5
3×120+1×70	19	19	1.6	1.4	2×0.2	2.4	49.0	5912.0	3139.0	0.153	0.268	0.253	0.443	3.5
3×150+1×70	37	19	1.8	1.4	2×0.2	2.5	53.5	7025.0	3673.0	0.124	0.268	0.206	0.443	3.5
3×185+1×95	37	19	2.0	1.6	2×0.2	2.7	58.9	8598.0	4408.0	0.0991	0.1930	0.164	0.320	3.5
3×240+1×120	37	37	2.2	1.6	2×0.2	2.9	60.6	10631.0	5216.0	0.0754	0.1530	0.125	0.253	3.5
3×300+1×150	37	37	2.4	1.8	2×0.2	3.1	65.6	12913.0	6154.0	0.0601	0.1240	0.100	0.206	3.5
3×400+1×240	61	37	2.4	1.8	2×0.2	3.3	72.8	15410.0	7812.0	0.0470	0.0754	0.0778	0.125	3.5

VV₂₂, VLV₂₂, ZRVV₂₂, ZRVLV₂₂, NHVV₂₂, NHVLV₂₂ 0.6/1kV PVC 绝缘钢带铠装PVC护套阻燃或非阻燃电力电缆
0.6/1kV PVC Insulated steel armoured PVC sheathed flame retardant and non-flame retardant power cable
(3+2)芯 (3+2 cores)

导线标称截面 Nominal cross section area of conductor (mm ²)	导体中单 线根数 Strand No.	绝缘厚度 Insulation thickness (mm)	钢带厚度 Steel tape thick	外护套厚度 Outer sheath thick(mm)	电缆近似外径 Approx overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)		导线直流电阻 DC resistance of conductor(Ω/km)					试验电压 Testing voltage A.C	
						Cu	Al	20℃ Cu	20℃ Al	20℃ Cu	20℃ Al	(kV/5min)		
3×4+2×2.5	1	1	1.0	0.8	2×0.2	1.8	18.8	580	491	4.61	7.41	7.41	12.1	3.5
3×6+2×4	1	1	1.0	1.0	2×0.2	1.8	20.7	728	570	3.08	4.61	4.61	7.41	3.5
3×10+2×6	7	1	1.0	1.0	2×0.2	1.8	23.3	973	702	1.83	3.08	3.02	4.61	3.5
3×16+2×10	7	7	1.0	1.0	2×0.2	1.8	36.3	1323	853	1.15	1.83	1.91	3.02	3.5
3×25+2×16	7	7	1.2	1.0	2×0.2	1.8	31.5	2053	1287	0.727	1.15	1.20	1.91	3.5
3×35+2×16	7	7	1.2	1.0	2×0.2	1.9	33.6	2406	1402	0.524	1.15	0.868	1.91	3.5
3×50+2×25	19	7	1.4	1.2	2×0.5	2.1	38.4	3371	2080	0.387	0.727	0.641	1.20	3.5
3×70+2×35	19	7	1.4	1.2	2×0.5	2.2	42.6	4350	2542	0.268	0.527	0.443	0.868	3.5
3×95+2×50	19	19	1.6	1.4	2×0.5	2.4	48.5	5736	2348	0.193	0.387	0.320	0.641	3.5
3×120+2×70	19	19	1.6	1.4	2×0.5	2.5	53.4	7126	3897	0.153	0.268	0.253	0.443	3.5
3×150+2×70	37	19	1.8	1.4	2×0.5	2.6	57.2	8249	4438	0.124	0.268	0.206	0.443	3.5
3×185+2×95	37	19	2.0	1.6	2×0.5	2.8	63.9	10254	5441	0.0991	0.193	0.164	0.320	3.5
3×240+2×120	37	37	2.2	1.6	2×0.5	3.0	71.4	12888	6689	0.0754	0.153	0.125	0.253	3.5
3×300+2×150	37	37	2.4	1.6	2×0.5	3.2	79.3	15483	7948	0.0601	0.124	0.100	0.206	3.5
3×400+2×240	61	37	2.4	1.8	2×0.5	3.4	86.7	19950	9366	0.0470	0.0754	0.0778	0.125	3.5

VV₂₂, VLV₂₂, ZRVV₂₂, ZRVLV₂₂, NHVV₂₂, NHVLV₂₂ 0.6/1kV PVC 绝缘钢带铠装PVC护套阻燃或非阻燃电力电缆
0.6/1kV PVC Insulated steel armoured PVC sheathed flame retardant and non-flame retardant power cable
(4+1)芯 (4+1 cores)

导线标称截面 Nominal cross section area of conductor (mm²)	导体中单 线根数 Strand No.		绝缘厚度 Insulation thickness (mm)	钢带厚度 Steel tape thick	外护套厚度 Outer sheath thick(mm)	电缆近似外径 Approx overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)		导线直流电阻 DC resistance of conductor(Ω/km)				试验电压 Testing voltage A.C (kV/5min)	
	相线Phase	中线Neutral					Cu	Al	20℃ Cu	20℃ Al	20℃ Cu	20℃ Al		
4×4+1×2.5	1	1	1.0	0.8	2×0.2	1.8	19.2	605	498	4.61	7.41	7.41	12.1	3.5
4×6+1×4	1	1	1.0	1.0	2×0.2	1.8	20.8	765	589	3.08	4.61	4.61	7.41	3.5
4×10+1×6	7	1	1.0	1.0	2×0.2	1.8	23.9	152	756	1.83	3.08	3.02	4.61	3.5
4×16+1×10	7	7	1.0	1.0	2×0.2	1.8	26.9	1482	952	1.15	1.83	1.91	3.02	3.5
4×25+1×16	7	7	1.2	1.0	2×0.2	1.8	32.4	2312	1477	0.727	1.15	1.20	1.91	3.5
4×35+1×16	7	7	1.2	1.0	2×0.2	1.9	35.1	2756	1731	0.524	1.15	0.868	1.91	3.5
4×50+1×25	19	7	1.4	1.2	2×0.5	2.1	39.1	3680	1827	0.387	0.727	0.641	1.20	3.5
4×70+1×35	19	7	1.4	1.2	2×0.5	2.3	44.0	4768	2734	0.268	0.524	0.443	0.868	3.5
4×95+1×50	19	19	1.6	1.4	2×0.5	2.4	50.2	6267	3491	0.193	0.387	0.320	0.641	3.5
4×120+1×70	19	19	1.6	1.4	2×0.5	2.6	55.1	7698	4145	0.153	0.268	0.253	0.443	3.5
4×150+1×70	37	19	1.8	1.4	2×0.5	2.7	59.9	6216	4882	0.124	0.268	0.206	0.443	3.5
4×185+1×95	37	19	2.0	1.6	2×0.5	2.9	66.5	11293	5899	0.0991	0.1930	0.164	0.320	3.5
4×240+1×120	37	37	2.2	1.6	2×0.5	3.1	74.3	14371	7395	0.0754	0.1530	0.125	0.253	3.5
4×300+1×150	37	37	2.4	1.6	2×0.5	3.3	80.1	17449	8891	0.0601	0.1240	0.100	0.206	3.5
4×400+1×240	61	37	2.4	1.6	2×0.5	3.6	88.2	21578	9986	0.0470	0.0754	0.0778	0.125	3.5

电缆敷设

- 敷设时电缆温度不低于0℃,环境温度不低于0℃时,应对电缆进行预热。
- 敷设的弯曲半径不小于电缆外径的8倍。
- 电缆敷设后,应经受以直流耐压试验,时间15分,试验电压3.5KV。

在空气中敷设

- 单芯电缆平行敷设时中心距离:185mm²及以下电缆直径的2倍240mm²及以下为90mm。
- 周围环境温度:30℃。
- 导电线芯最高允许温度:70℃。
- 不同环境温度下载流量的校正系数。

Cable Laying

- The installation temperature should not over20℃, if the ambient temperature is lower than 0℃,the cable should be pre-heated.
- The bending radius of cable should not less than 8times.
- After installation, the cable should withstand voltage test for 15min of 3.5kV DC.

In air

- As the single core cable laying in parallel, the distance between the cable: centre is 2times(for cables, which cross sectional area of conductor ≤185mm²)and 90mm(for cables, which cross sectional area of conductor≤240mm²).
- Ambient temperature:30℃.
- Max temperature of conductor:70℃.
- Rating factors of current carrying capacity for ambient temperature.

环境温度	20℃	25℃	33℃	40℃	45℃	Air temperature	20℃	25℃	33℃	40℃	45℃
校正系数	1.12	1.06	0.94	0.87	0.79	Rating factors	1.12	1.06	0.94	0.87	0.79

直埋敷设

- 单芯电缆不接触敷设时,中心距离为电缆直径的2倍。
- 周围环境温度:25℃。
- 导电线芯最高允许温度:70℃。
- 土壤热阻系数:1.0℃.m/w。
- 直埋深度:0.7m。
- 不同环境温度下载流量的校正系数:

Direct in ground

- When the single core cables are installed separately, the distance between the cable: centre is 2 times of the cable diameter.
- Ambient temperature: 25℃.
- Max temperature of conductor: 70℃.
- The soil heat resistivity: 10℃.m/w.
- Depth: 0.7m.
- Rating factors under different ambient temperature:

环境温度	15℃	20℃	30℃	35℃	Air temperature	15℃	20℃	30℃	35℃
校正系数	1.11	1.05	0.94	0.88	Rating factors	1.11	1.05	0.94	0.88

短路容量	Short circuit ratings			
导电线芯短路时允许最高温度	最高允许的短路电流			
130℃	I=94S/√tA			
	130℃			
	I=94S/√tA			

■ 电缆载流量 Carrying capacity

0.6/1KV聚氯乙烯绝缘电力电缆在空气中敷设长期连续负荷条件下允许载流量

The permissible current carrying capacity of 0.6/1KV PVC insulated power cable laying in the air under continuous load condition.

铜导体 copper conductor

标称截面 Cross sectional Area of conductor mm²	长期连续负荷允许载流量 current carrying capacity(A)									
	无铠装 unarmoured					铠装 Armoured				
	单芯 single core 2根 2 cores ○○	3根 3 cores ○○○	双芯 2-cores	三芯 3-cores 四芯 4-cores (3+1)芯 (3+1)cores	五芯 5-cores (4+1)芯 (4+1)cores (3+2)芯 (3+2)cores	单芯 single core 2根 2 cores ○○	3根 3 cores ○○○	双芯 2-cores	三芯 3-cores 四芯 4-cores (3+1)芯 (3+1)cores	五芯 5-cores (4+1)芯 (4+1)cores (3+2)芯 (3+2)cores
1.5	28	23	26	20	—	28	23	26	—	—
2.5	36	30	33	26	—	36	30	33	—	—
4	47	39	44	37	30	47	39	44	38	31
6	60	49	56	44	37	60	49	56	45	38
10	83	68	77	61	53	83	68	77	62	54
16	109	89	101	82	69	109	89	101	84	70
25	138	113	128	104	89	138	113	128	106	91
35	173	142	161	127	109	173	142	161	130	111
50	207	170	193	155	132	207	170	193	158	135
70	264	216	246	190	167	264	216	246	194	170
95	322	264	299	242	213	322	264	299	247	217
120	374	307	348	282	242	374	307	348	288	246
150	431	353	401	322	282	431	353	401	328	287
185	495	406	460	368	322	495	406	460	375	327
240	587	481	546	—	385	587	481	546	—	393
300	673	552	626	—	431	673	552	626	—	439
400	794	652	738	—	—	794	652	738	—	—
500	920	754	856	—	—	920	754	856	—	—
630	1058	868	984	—	—	1058	868	984	—	—

铝导体 Aluminium conductor

标称截面 Cross sectional Area of conductor mm²	长期连续负荷允许载流量 current carrying capacity(A)									
	无铠装 unarmoured					铠装 Armoured				
	单芯 single core 2根 2 cores ○○	3根 3 cores ○○○	双芯 2-cores	三芯 3-cores 四芯 4-cores (3+1)芯 (3+1)cores	五芯 5-cores (4+1)芯 (4+1)cores (3+2)芯 (3+2)cores	单芯 single core 2根 2 cores ○○	3根 3 cores ○○○	双芯 2-cores	三芯 3-cores 四芯 4-cores (3+1)芯 (3+1)cores	五芯 5-cores (4+1)芯 (4+1)cores (3+2)芯 (3+2)cores
2.5	28	23	26	21	17	28	23	26	—	—
4	37	30	34	28	23	37	30	34	28	23
6	48	40	45	37	30	48	40	45	37	30
10	63	52	59	48	40	63	52	59	48	40
16	84	69	78	63	54	84	69	78	63	54
25	110	90	102	81	69	110	90	102	81	69
35	132	108	123	99	85	132	108	123	99	85
50	161	132	150	121	104	161	132	150	121	104
70	201	165	187	150	132	201	165	187	150	132
95	247	203	230	190	161	247	203	230	190	161
120	288	236	268	219	190	288	236	268	219	190
150	334	274	311	247	219	334	274	311	247	219
185	385	316	358	288	247	385	316	358	288	247
240	454	372	422	—	299	454	372	422	—	299
300	523	429	486	—	339	523	429	486	—	339
400	621	509	578	—	—	621	509	578	—	—
500	725	595	674	—	—	725	595	674	—	—
630	851	695	791	—	—	851	695	791	—	—

0.6/1KV聚氯乙烯绝缘电力电缆在直埋敷设长期连续负荷条件下允许载流量
0.6/1KV PVC insulated power cable installed direct in ground for long term continuously load

铜导体 copper conductor

标称截面 Cross sectional Area of conductor mm ²	长期连续负荷允许载流量 current carrying capacity(A)									
	无铠装 unarmoured					铠装 Armoured				
	单芯 single core		双芯 2-cores	三芯 3-cores		单芯 single core	三芯 3-cores	双芯 2-cores	五芯 5-cores	
	2根 2 cores ○ ○	3根 3 cores ○○○ ○○○		四芯 4-cores (3+1)芯 (3+1)cores	(4+1)芯 (4+1)cores (3+2)芯 (3+2)cores				四芯 4-cores (3+1)芯 (3+1)cores	(4+1)芯 (4+1)cores (3+2)芯 (3+2)cores
1.5	29	24	27	26	22	29	24	27	26	22
2.5	38	31	35	34	29	38	31	35	34	29
4	49	40	46	44	38	49	40	46	44	38
6	61	50	57	56	47	61	50	57	56	47
10	83	68	77	76	65	83	68	77	76	65
16	105	86	98	100	84	105	86	98	100	84
25	135	111	126	125	110	135	111	126	125	110
35	160	131	149	155	160	160	131	149	155	130
50	195	160	181	185	155	195	160	181	185	155
70	240	197	223	230	195	240	197	223	230	195
95	285	234	265	275	230	285	234	265	275	230
120	325	267	302	310	260	325	267	302	310	260
150	364	299	339	350	300	365	299	339	350	300
185	415	340	386	395	335	415	340	386	395	335
240	190	394	446	—	390	480	394	446	—	390
300	545	447	507	—	435	545	447	507	—	435
400	625	513	581	—	—	625	513	581	—	—
500	710	582	660	—	—	710	582	660	—	—
630	810	664	753	—	—	810	664	753	—	—
800	910	746	846	—	—	910	746	846	—	—

铝导体 Aluminium conductor

标称截面 Cross sectional Area of conductor mm ²	长期连续负荷允许载流量 current carrying capacity(A)									
	无铠装 unarmoured					铠装 Armoured				
	单芯 single core		双芯 2-cores	三芯 3-cores		单芯 single core	三芯 3-cores	双芯 2-cores	五芯 5-cores	
	2根 2 cores ○ ○	3根 3 cores ○○○ ○○○		四芯 4-cores (3+1)芯 (3+1)cores	(4+1)芯 (4+1)cores (3+2)芯 (3+2)cores				四芯 4-cores (3+1)芯 (3+1)cores	(4+1)芯 (4+1)cores (3+2)芯 (3+2)cores
2.5	30	25	28	26	23	30	25	28	26	23
4	39	32	36	35	30	39	32	36	35	30
6	50	41	47	45	39	50	41	47	45	39
10	64	52	60	59	50	64	52	60	59	50
16	83	68	77	77	65	83	68	77	77	65
25	105	86	98	100	84	105	86	98	100	84
35	125	103	116	120	100	125	103	116	120	100
50	150	123	140	145	120	150	123	140	145	120
70	185	152	172	175	150	185	152	172	175	150
95	220	180	205	210	185	220	180	205	210	185
120	250	205	233	245	205	250	205	233	245	205
150	285	234	265	275	230	285	234	265	275	230
185	320	262	298	310	260	320	262	298	310	260
240	375	308	349	—	300	375	309	349	—	300
300	425	349	395	—	340	425	349	395	—	340
400	490	402	456	—	—	490	402	456	—	—
500	560	459	521	—	—	560	459	521	—	—
630	645	529	560	—	—	645	529	560	—	—
800	735	603	684	—	—	735	603	684	—	—

聚氯乙烯绝缘聚氯乙烯护套控制电缆 (GB/T 9330-2008)
PVC Insulated PVC Sheathed Control Cable (GB/T 9330-2008)



型号、名称及使用范围 (见表1) Model, name and application(see table 1)

表1 Table 1

型号 Model	名称 Name	主要适用范围 Main application
KVV	铜芯聚氯乙烯绝缘聚氯乙烯护套控制电缆 Copper conductor PVC insulated PVC sheathed control cable	敷设在室内、电缆沟、管道等要求屏蔽的固定场合 For laying in the fixed occasion need screen like indoors, in Trenches and in dusts.
KVVP	铜芯聚氯乙烯绝缘聚氯乙烯护套编织屏蔽控制电缆 Copper conductor PVC insulated PVC sheathed braid screened control cable	敷设在室内、电缆沟、管道等要求屏蔽的固定场合 For laying in the fixed occasion need screen like indoors, in Trenches and in dusts.
KVVP ₂	铜芯聚氯乙烯绝缘聚氯乙烯护套铜带屏蔽控制电缆 Copper conductor PVC insulated PVC sheathed copper tape screened control cable	敷设在室内、电缆沟、管道等要求屏蔽的固定场合 For laying in the fixed occasion need screen like indoors, in Trenches and in dusts.
KVV ₂₂	铜芯聚氯乙烯绝缘聚氯乙烯护套钢带铠装控制电缆 Copper conductor PVC insulated PVC sheathed steel tape armoured control cable	敷设在室内、电缆沟、管道、直埋等承受较大机械外力的固定场合 For laying in the fixed occasion undertake heavy duty like indoors, in trenches and in dusts.
KVVR	铜芯聚氯乙烯绝缘聚氯乙烯护套控制软电缆 Copper conductor PVC insulated PVC sheathed flexible control cable	敷设在室内移动要求柔软等场合 For laying flexible occasion like indoors to move
ZR-KVVRP	铜芯聚氯乙烯绝缘, 聚氯乙烯护套编织屏蔽控制软电缆 Copper conductor PVC insulated PVC sheathed braid screened flexible control cable	敷设在室内移动要求柔软屏蔽等场合 For laying flexible screen occasion like indoors to move
ZR-KVV	铜芯聚氯乙烯绝缘聚氯乙烯护套阻燃控制电缆 Copper conductor PVC insulated PVC sheathed braid flame retardant control cable	敷设在有阻燃要求的室内、电缆沟、管道等固定场合 For laying in the fixed occasion demand flame retardant like indoors, in trenches and in dusts.
ZR-KVVP ₂	铜芯聚氯乙烯绝缘聚氯乙烯护套铜带屏蔽阻燃控制电缆 Copper conductor PVC insulated PVC sheathed braid flame retardant control cable with copper tape screened	敷设在有阻燃要求的室内、电缆沟、管道等固定场合 For laying indoors, in trenches, in ducts and for fixed installation, the cable should be flame retardant
ZR-KVV ₂₂	铜芯聚氯乙烯绝缘聚氯乙烯护套钢带铠装阻燃控制电缆 Copper conductor PVC insulated PVC sheathed braid flame retardant control cable with steel tape armoured	敷设在有阻燃要求的室内、电缆沟、管道、直埋等能承受较大机械外力固定场合 For laying in the fixed occasion demand flame retardant, undertake heavy duty
ZR-KVVR	铜芯聚氯乙烯绝缘聚氯乙烯护套阻燃控制软电缆 Copper conductor PVC insulated PVC sheathed braid flame retardant flexible control cable	敷设在有阻燃要求的室内可移动柔软等场合 For laying in the fixed occasion demand flame retardant like indoors movable and flexible