

CU/XLPE/PVC(XV) PVC Sheathed Power Cable 聚氯乙烯护套电力电缆



Construction 结构

No. 序号	Classification 分类	Code 代码	Construction Detail 详细结构
①	Conductor ^{a)} 导体 ^{a)}	CU / TCU	Bare or tinned annealed copper according to IEC60228 满足IEC60228的镀锡或裸铜退火铜导体
②	Insulation 绝缘	XLPE	XLPE insulation 交联聚乙烯绝缘
③	Sheath 护套	PVC	PVC compound outer sheath 聚氯乙烯外护套

a) Different type of conductor could be supplied under the agreement with customer 导体类型可协商确定

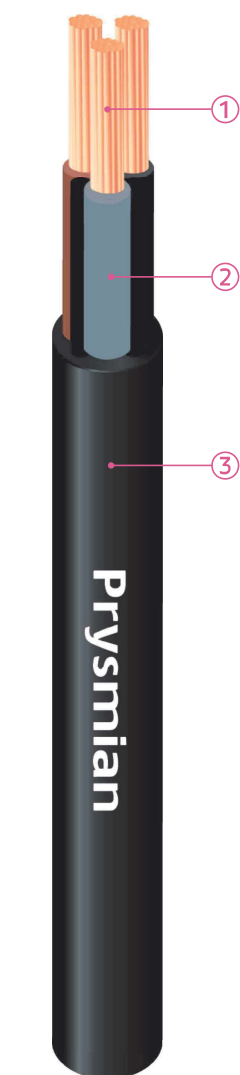
Core Identification 线芯识别

· 1 Core 1芯	Natural, Blue, Brown, Black, Gray, Green/Yellow 本色、蓝、棕、黑、灰、黄/绿
· 2 Core 2芯	Blue, Brown 蓝、棕
· 3 Core 3芯	Green/yellow, Blue, Brown or Brown, Black, Grey or Blue, Brown, Black 黄/绿、蓝、棕或棕、黑、灰或蓝、棕、黑
· 4 Core 4芯	Green/yellow, Brown, Black, Grey or Green/yellow, Blue, Brown, Black or Blue, Brown, Black, Grey 黄/绿、棕、黑、灰或黄/绿、蓝、棕、黑或蓝、棕、黑、灰
· 5 Core 5芯	Brown, Black, Grey, Blue, Green/Yellow 棕、黑、灰、蓝、黄/绿
· More than 5 cores 超过5芯	Black with numbers or white with numbers 黑色线芯印数字或白色线芯印数字

· Other colors or codes available according to customer requirement
依客户要求使用其他颜色或色码识别

Color of outer sheath 护套颜色

· Black or per customer requirement
黑色或客户需求



Low Voltage Power Cables to IEC60502-1

IEC60502-1 低压电力电缆



Marking information 印字标识

EG:

PRYSMIAN(S) CU/XLPE/PVC(XV) 0.6/1kV No.*Size Year XXXXM(meter marking)

Applicable Standards 应用标准

Design guidelines 设计标准	IEC60502-1
Flame retardant properties 阻燃性能	IEC60332-1

· Other flame-retardant class can be designed according to customer requirement
依客户要求可设计其他阻燃等级

Technical Data 技术数据

Rated voltage 额定电压	A.C. 0.6/1kV
Test voltage 测试电压	3.5kV/5min
Temperature range 温度范围	-15°C~+90°C (Low temperature range can be designed customer required 依客户要求可设计更低温度范围)
Ambient temperature during cable laying 电缆敷设时的环境温度	≥0°C
Minimum bending radius(mm) 最小弯曲半径(mm)	Single cable 单芯电缆: 20* D Multicore cable 多芯电缆: 15* D (D is the outer diameter of finished cable D为成品电缆外径)

Low Voltage Power Cables to IEC60502-1

IEC60502-1 低压电力电缆



CU/XLPE/PVC(XV) Single-core PVC Sheathed Cable 0.6/1kV

No. of cores		csa	Shape of Conductor	Thickness of insulation	Thickness of sheath	Overall diameter Approx.	Weight Approx.	DC resistance at 20°C max.	Short circuit current
芯数	×	截面	导体形状	绝缘厚度	护套厚度	参考外径	参考重量	20°C最大直流电阻	短路电流
n		mm ²		mm	mm	mm	Kg/km	Ω/km	kA(1s)
1	×	1.5	Circular	0.7	1.4	5.6	47	12.1	0.21
1	×	2.5	Circular	0.7	1.4	6.0	57	7.41	0.36
1	×	4	Circular	0.7	1.4	6.5	73	4.61	0.57
1	×	6	Circular	0.7	1.4	7.3	98	3.08	0.86
1	×	10	Circular	0.7	1.4	8.3	144	1.83	1.43
1	×	16	Circular	0.7	1.4	9.2	202	1.15	2.29
1	×	25	Circular	0.9	1.4	11.1	309	0.727	3.58
1	×	35	Circular	0.9	1.4	12.2	406	0.524	5.01
1	×	50	Circular*	1.0	1.4	12.9	511	0.387	7.15
1	×	70	Circular*	1.1	1.4	14.8	716	0.268	10.01
1	×	95	Circular*	1.1	1.5	16.6	977	0.193	13.59
1	×	120	Circular*	1.2	1.5	18.7	1232	0.153	17.16
1	×	150	Circular*	1.4	1.6	20.8	1514	0.124	21.45
1	×	185	Circular*	1.6	1.6	22.9	1852	0.0991	26.46
1	×	240	Circular*	1.7	1.7	25.6	2411	0.0754	34.32
1	×	300	Circular*	1.8	1.8	28.2	3026	0.0601	42.90
1	×	400	Circular*	2.0	1.9	32.0	3872	0.0470	57.20
1	×	500	Circular*	2.2	2.0	35.5	4922	0.0366	71.50
1	×	630	Circular*	2.4	2.2	39.9	6263	0.0283	90.09
1	×	800	Circular*	2.6	2.3	44.6	8001	0.0221	114.40
1	×	1000	Circular*	2.8	2.4	50.2	10298	0.0176	143.00

Note: Circular*: compacted conductor .圆形紧压导体。
Current ratings at ambient temperature 30°C.环境温度 30°C 时的额定电流。

Low Voltage Power Cables to IEC60502-1

IEC60502-1 低压电力电缆



CU/XLPE/PVC(XV) Single-core PVC Sheathed Cable 0.6/1kV

No. of cores		csa	Shape of Conductor	Current rating-three phase AC horizontal flat touching free air	Current rating-three phase AC trefoil touching free air	Current rating-three phase AC horizontal flat spaced by one cable diameter free air	Voltage drop-three phase AC horizontal flat touching free air	Voltage drop-three phase AC trefoil touching free air	Voltage drop-three phase AC horizontal flat spaced by one cable diameter free air
芯数	×	截面	导体形状	载流量-水平接触	载流量-三角形接触	载流量-水平间隔	电压降-水平接触	电压降-三角形接触	电压降-水平间隔
n		mm ²		A	A	A	mV/A/m	mV/A/m	mV/A/m
1	×	1.5	Circular	-	-	-	27.000	27.000	27.000
1	×	2.5	Circular	-	-	-	16.000	16.000	16.000
1	×	4	Circular	-	-	-	10.000	10.000	10.000
1	×	6	Circular	-	-	-	6.800	6.800	6.800
1	×	10	Circular	-	-	-	4.000	4.000	4.000
1	×	16	Circular	-	-	-	2.500	2.500	2.500
1	×	25	Circular	141	135	182	1.600	1.600	1.650
1	×	35	Circular	176	169	226	1.150	1.150	1.200
1	×	50	Circular*	216	207	275	0.870	0.870	0.890
1	×	70	Circular*	279	268	353	0.620	0.610	0.650
1	×	95	Circular*	342	328	430	0.460	0.450	0.490
1	×	120	Circular*	400	383	500	0.380	0.370	0.420
1	×	150	Circular*	464	444	577	0.320	0.310	0.370
1	×	185	Circular*	533	510	661	0.280	0.260	0.330
1	×	240	Circular*	634	607	781	0.240	0.220	0.290
1	×	300	Circular*	736	703	902	0.210	0.195	0.270
1	×	400	Circular*	868	823	1085	0.195	0.175	0.260
1	×	500	Circular*	998	946	1253	0.180	0.160	0.250
1	×	630	Circular*	1151	1088	1454	0.170	0.150	0.240
1	×	800	Circular*	1275	1214	1581	0.165	0.145	0.240
1	×	1000	Circular*	1436	1349	1775	0.165	0.140	0.240

Note: Circular*: compacted conductor. 圆形紧压导体。
Current ratings at ambient temperature 30°C. 环境温度 30°C 时的额定电流。

Low Voltage Power Cables to IEC60502-1

IEC60502-1 低压电力电缆



CU/XLPE/PVC(XV) Multi-core PVC Sheathed Cable 0.6/1kV

No. of cores		csa	Shape of Conductor	Thickness of insulation	Thickness of sheath	Overall diameter Approx.	Weight Approx.	DC resistance at 20°C max.	Current rating-three phase AC horizontal flat touching free air	Voltage drop-single cable in free air	Short circuit current
芯数	×	截面	导体形状	绝缘厚度	护套厚度	参考外径	参考重量	20°C最大直流电阻	载流量-水平接触	电压降-水平接触	短路电流
n		mm ²		mm	mm	mm	Kg/km	Ω/km	A	mV/A/m	kA(1s)
2	×	1.5	Circular	0.7	1.8	10.1	131	12.1	29	31.000	0.21
2	×	2.5	Circular	0.7	1.8	10.9	163	7.41	39	19.000	0.36
2	×	4	Circular	0.7	1.8	12.0	208	4.61	52	12.000	0.57
2	×	6	Circular	0.7	1.8	13.1	265	3.08	66	7.900	0.86
2	×	10	Circular	0.7	1.8	15.1	370	1.83	90	4.700	1.43
2	×	16	Circular	0.7	1.8	17.3	513	1.15	115	2.900	2.29
2	×	25	Circular	0.9	1.8	20.8	761	0.727	152	1.900	3.58
2	×	35	Circular	0.9	1.8	23.0	978	0.524	188	1.350	5.01
2	×	50	Circular*	1.0	1.8	25.6	1270	0.387	228	1.000	7.15
2	×	70	Circular*	1.1	1.8	29.4	1768	0.268	291	0.690	10.01
2	×	95	Circular*	1.1	2.0	33.0	2374	0.193	354	0.520	13.59
2	×	120	Circular*	1.2	2.1	36.4	2937	0.153	410	0.420	17.16
2	×	150	Circular*	1.4	2.2	40.3	3605	0.124	473	0.350	21.45
2	×	185	Circular*	1.6	2.3	44.8	4425	0.0991	542	0.290	26.46
2	×	240	Circular*	1.7	2.5	50.1	5711	0.0754	641	0.240	34.32
2	×	300	Circular*	1.8	2.7	55.3	7126	0.0601	741	0.210	42.90
2	×	400	Circular*	2.0	2.9	63.0	9128	0.0470	865	0.190	57.20
3	×	1.5	Circular	0.7	1.8	10.6	150	12.1	25	27.000	0.21
3	×	2.5	Circular	0.7	1.8	11.5	193	7.41	33	16.000	0.36
3	×	4	Circular	0.7	1.8	12.6	251	4.61	44	10.000	0.57
3	×	6	Circular	0.7	1.8	13.8	322	3.08	56	6.800	0.86
3	×	10	Circular	0.7	1.8	16.0	477	1.83	78	4.000	1.43
3	×	16	Circular	0.7	1.8	18.4	679	1.15	99	2.500	2.29
3	×	25	Circular	0.9	1.8	21.7	1009	0.727	131	1.650	3.58
3	×	35	Circular	0.9	1.8	24.0	1270	0.524	162	1.150	5.01
3	×	50	Sector	1.0	1.8	25.4	1695	0.387	197	0.870	7.15
3	×	70	Sector	1.1	1.9	28.9	2343	0.268	251	0.600	10.01
3	×	95	Sector	1.1	2.0	32.1	3159	0.193	304	0.450	13.59
3	×	120	Sector	1.2	2.1	35.4	3975	0.153	353	0.370	17.16
3	×	150	Sector	1.4	2.3	39.5	4815	0.124	406	0.300	21.45
3	×	185	Sector	1.6	2.4	43.6	5946	0.0991	463	0.260	26.46
3	×	240	Sector	1.7	2.6	48.6	7656	0.0754	546	0.210	34.32
3	×	300	Sector	1.8	2.8	53.4	9641	0.0601	628	0.185	42.90
3	×	400	Sector	2.0	3.1	60.7	12741	0.0470	728	0.165	57.20

Note: Circular*: compacted conductor. 圆形紧压导体。
Current ratings at ambient temperature 30°C. 环境温度 30°C 时的额定电流。

Low Voltage Power Cables to IEC60502-1

IEC60502-1 低压电力电缆



CU/XLPE/PVC(XV) Multi-core PVC Sheathed Cable 0.6/1kV

No. of cores		csa	Shape of Conductor	Thickness of insulation	Thickness of sheath	Overall diameter Approx.	Weight Approx.	DC resistance at 20°C max.	Current rating-three phase AC horizontal flat touching free air	Voltage drop-single cable in free air	Short circuit current
芯数	×	截面	导体形状	绝缘厚度	护套厚度	参考外径	参考重量	20°C最大直流电阻	载流量-水平接触	电压降-水平接触	短路电流
n		mm ²		mm	mm	mm	Kg/km	Ω/km	A	mV/A/m	kA(1s)
4	×	1.5	Circular	0.7	1.8	11.3	176	12.1	25	27.000	0.21
4	×	2.5	Circular	0.7	1.8	12.3	227	7.41	33	16.000	0.36
4	×	4	Circular	0.7	1.8	13.6	305	4.61	44	10.000	0.57
4	×	6	Circular	0.7	1.8	15.0	397	3.08	56	6.800	0.86
4	×	10	Circular	0.7	1.8	17.4	587	1.83	78	4.000	1.43
4	×	16	Circular	0.7	1.8	20.0	855	1.15	99	2.500	2.29
4	×	25	Circular	0.9	1.8	24.2	1289	0.727	131	1.650	3.58
4	×	35	Circular	0.9	1.8	23.9	1595	0.524	162	1.150	5.01
4	×	50	Sector	1.0	1.9	28.8	2224	0.387	197	0.870	7.15
4	×	70	Sector	1.1	2.0	32.8	3083	0.268	251	0.600	10.01
4	×	95	Sector	1.1	2.1	36.6	4174	0.193	304	0.450	13.59
4	×	120	Sector	1.2	2.3	40.7	5279	0.153	353	0.370	17.16
4	×	150	Sector	1.4	2.4	45.2	6367	0.124	406	0.300	21.45
4	×	185	Sector	1.6	2.6	50.1	7889	0.0991	463	0.260	26.46
4	×	240	Sector	1.7	2.8	55.9	10173	0.0754	546	0.210	34.32
4	×	300	Sector	1.8	3.0	61.5	12820	0.0601	628	0.185	42.90
4	×	400	Sector	2.0	3.3	70.0	16370	0.0470	728	0.165	57.20

Note: Circular*: compacted conductor. 圆形紧压导体。
Current ratings at ambient temperature 30°C. 环境温度 30°C 时的额定电流。

Low Voltage Power Cables to IEC60502-1

IEC60502-1 低压电力电缆



CU/XLPE/PVC(XV) Multi-core PVC Sheathed Cable 0.6/1kV

No. of cores		csa	Shape of Conductor	Thickness of insulation	Thickness of sheath	Overall diameter Approx.	Weight Approx.	DC resistance at 20°C max.	Current rating-three phase AC horizontal flat touching free air	Short circuit current
芯数	×	截面	导体形状	绝缘厚度	护套厚度	参考外径	参考重量	20°C最大直流电阻	载流量-水平接触	短路电流
n		mm ²		mm	mm	mm	Kg/km	Ω/km	A	kA(1s)
5	×	1.5	Circular	0.7	1.8	12.2	208	12.1	21	0.21
5	×	2.5	Circular	0.7	1.8	13.3	273	7.41	28	0.36
5	×	4	Circular	0.7	1.8	14.7	361	4.61	37	0.57
5	×	6	Circular	0.7	1.8	16.2	476	3.08	56	0.86
5	×	10	Circular	0.7	1.8	18.6	719	1.83	78	1.43
5	×	16	Circular	0.7	1.8	21.5	988	1.15	99	2.29
5	×	25	Circular	0.9	1.8	26.6	1606	0.727	131	3.58
5	×	35	Circular	0.9	1.8	29.6	2073	0.524	162	5.01
5	×	50	Circular*	1.0	2.0	33.0	2757	0.387	197	7.15
5	×	70	Circular*	1.1	2.1	38.4	3871	0.268	251	10.01
5	×	95	Circular*	1.1	2.3	43.2	5253	0.193	304	13.59
5	×	120	Circular*	1.2	2.4	47.7	6529	0.153	353	17.16
5	×	150	Circular*	1.4	2.6	53.0	8027	0.124	406	21.45
5	×	185	Circular*	1.6	2.8	59.2	9901	0.0991	463	26.46
5	×	240	Circular*	1.7	3.0	66.3	12866	0.0754	546	34.32
5	×	300	Circular*	1.8	3.2	73.2	16193	0.0601	628	42.90
6	×	1.5	Circular	0.7	1.8	12.7	215	12.1	19	0.21
6	×	2.5	Circular	0.7	1.8	13.9	288	7.41	26	0.36
6	×	4	Circular	0.7	1.8	15.5	387	4.61	35	0.57
7	×	1.5	Circular	0.7	1.8	12.7	223	12.1	18	0.21
7	×	2.5	Circular	0.7	1.8	13.9	301	7.41	25	0.36
7	×	4	Circular	0.7	1.8	15.5	410	4.61	33	0.57
8	×	1.5	Circular	0.7	1.8	14.7	266	12.1	17	0.21
8	×	2.5	Circular	0.7	1.8	16.3	359	7.41	23	0.36
8	×	4	Circular	0.7	1.8	18.3	498	4.61	31	0.57
9	×	1.5	Circular	0.7	1.8	15.6	286	12.1	17	0.21
9	×	2.5	Circular	0.7	1.8	17.3	387	7.41	23	0.36
9	×	4	Circular	0.7	1.8	19.4	527	4.61	30	0.57
10	×	1.5	Circular	0.7	1.8	15.6	304	12.1	16	0.21
10	×	2.5	Circular	0.7	1.8	17.3	415	7.41	22	0.36
10	×	4	Circular	0.7	1.8	19.4	569	4.61	29	0.57
11	×	1.5	Circular	0.7	1.8	16.1	337	12.1	16	0.21
11	×	2.5	Circular	0.7	1.8	17.8	462	7.41	21	0.36
11	×	4	Circular	0.7	1.8	20.0	635	4.61	29	0.57
12	×	1.5	Circular	0.7	1.8	16.1	345	12.1	15	0.21
12	×	2.5	Circular	0.7	1.8	17.8	476	7.41	21	0.36
12	×	4	Circular	0.7	1.8	20.0	657	4.61	28	0.57

Note: Circular*: compacted conductor. 圆形紧压导体。
Current ratings at ambient temperature 30°C. 环境温度 30°C 时的额定电流。

Low Voltage Power Cables to IEC60502-1

IEC60502-1 低压电力电缆



CU/XLPE/PVC(XV) Multi-core PVC Sheathed Cable 0.6/1kV

No. of cores		csa	Shape of Conductor	Thickness of insulation	Thickness of sheath	Overall diameter Approx.	Weight Approx.	DC resistance at 20°C max.	Current rating-three phase AC horizontal flat touching free air	Short circuit current
芯数	×	截面	导体形状	绝缘厚度	护套厚度	参考外径	参考重量	20°C最大直流电阻	载流量-水平接触	短路电流
n		mm ²		mm	mm	mm	Kg/km	Ω/km	A	kA(1s)
13	×	1.5	Circular	0.7	1.8	16.9	381	12.1	15	0.21
13	×	2.5	Circular	0.7	1.8	18.7	526	7.41	20	0.36
13	×	4	Circular	0.7	1.8	21.0	727	4.61	27	0.57
14	×	1.5	Circular	0.7	1.8	16.9	389	12.1	15	0.21
14	×	2.5	Circular	0.7	1.8	18.7	539	7.41	20	0.36
14	×	4	Circular	0.7	1.8	21.0	750	4.61	27	0.57
15	×	1.5	Circular	0.7	1.8	17.7	419	12.1	15	0.21
15	×	2.5	Circular	0.7	1.8	19.7	583	7.41	20	0.36
15	×	4	Circular	0.7	1.8	22.2	808	4.61	26	0.57
16	×	1.5	Circular	0.7	1.8	17.7	438	12.1	14	0.21
16	×	2.5	Circular	0.7	1.8	19.7	612	7.41	19	0.36
16	×	4	Circular	0.7	1.8	22.2	850	4.61	25	0.57
17	×	1.5	Circular	0.7	1.8	18.6	470	12.1	14	0.21
17	×	2.5	Circular	0.7	1.8	20.7	656	7.41	19	0.36
17	×	4	Circular	0.7	1.8	23.3	914	4.61	25	0.57
18	×	1.5	Circular	0.7	1.8	18.6	488	12.1	13	0.21
18	×	2.5	Circular	0.7	1.8	20.7	684	7.41	18	0.36
18	×	4	Circular	0.7	1.8	23.3	955	4.61	24	0.57
19	×	1.5	Circular	0.7	1.8	18.6	496	12.1	13	0.21
19	×	2.5	Circular	0.7	1.8	20.7	697	7.41	18	0.36
19	×	4	Circular	0.7	1.8	23.3	978	4.61	23	0.57
24	×	1.5	Circular	0.7	1.8	21.6	614	12.1	12	0.21
24	×	2.5	Circular	0.7	1.8	24.1	868	7.41	16	0.36
24	×	4	Circular	0.7	1.8	27.3	1221	4.61	22	0.57
27	×	1.5	Circular	0.7	1.8	22.4	724	12.1	12	0.21
27	×	2.5	Circular	0.7	1.8	25.0	1018	7.41	16	0.36
27	×	4	Circular	0.7	1.8	28.3	1429	4.61	21	0.57
37	×	1.5	Circular	0.7	1.8	24.9	935	12.1	10	0.21
37	×	2.5	Circular	0.7	1.8	27.9	1329	7.41	14	0.36
37	×	4	Circular	0.7	1.9	31.8	1895	4.61	19	0.57
48	×	1.5	Circular	0.7	1.8	28.3	1178	12.1	10	0.21
48	×	2.5	Circular	0.7	1.9	32.0	1700	7.41	13	0.36
48	×	4	Circular	0.7	2.1	36.7	2447	4.61	17	0.57

Note: Circular*: compacted conductor. 圆形紧压导体。

Current ratings at ambient temperature 30°C. 环境温度 30°C 时的额定电流。

Other core number products can be provided according to customer's request. 可依据客户要求提供其他芯数产品。

Low Voltage Power Cables to IEC60502-1

IEC60502-1 低压电力电缆



CU/XLPE/PVC(XV) Multi-core PVC Sheathed Cable 0.6/1kV

No. of cores		csa	No. of cores		csa	Shape of Conductor	Thickness of insulation		Thickness of sheath	Overall diameter Approx.	Weight Approx.	DC resistance at 20°C max.	Current rating-three phase AC horizontal flat touching free air	Short circuit current
芯数	×	截面	芯数	×	截面	导体形状	绝缘厚度		护套厚度	参考外径	参考重量	20°C最大直流电阻	载流量-水平接触	短路电流
主线芯			小线芯				主线芯	小线芯						
n		mm ²	n		mm ²		mm	mm	mm	mm	Kg/km	Ω/km	A	kA(1s)
3	×	2.5	1	×	1.5	Circular	0.7	0.7	1.8	13.4	200	7.41	33	0.36
3	×	4	1	×	2.5	Circular	0.7	0.7	1.8	14.6	270	4.61	44	0.57
3	×	6	1	×	4	Circular	0.7	0.7	1.8	16.0	360	3.08	56	0.86
3	×	10	1	×	6	Circular	0.7	0.7	1.8	18.5	480	1.83	78	1.43
3	×	16	1	×	10	Circular	0.7	0.7	1.8	21.2	760	1.15	99	2.29
3	×	25	1	×	16	Circular	0.9	0.7	1.8	23.3	1150	0.727	131	3.58
3	×	35	1	×	16	Circular	0.9	0.7	1.8	25.0	1449	0.524	162	5.01
3	×	50	1	×	25	Sector	1.0	0.9	1.8	27.4	1947	0.387	197	7.15
3	×	70	1	×	35	Sector	1.1	0.9	1.9	31.2	2676	0.268	251	10.01
3	×	95	1	×	50	Sector	1.1	1.0	2.1	35.1	3599	0.193	304	13.59
3	×	120	1	×	70	Sector	1.2	1.1	2.2	38.9	4602	0.153	353	17.16
3	×	150	1	×	70	Sector	1.4	1.1	2.3	42.8	5463	0.124	406	21.45
3	×	185	1	×	95	Sector	1.6	1.1	2.5	47.6	6830	0.0991	463	26.46
3	×	240	1	×	120	Sector	1.7	1.2	2.7	53.1	8750	0.0754	546	34.32
3	×	300	1	×	150	Sector	1.8	1.4	2.9	58.4	10957	0.0601	628	42.90
3	×	400	1	×	240	Sector	2.0	1.7	3.2	67.2	14417	0.0470	728	57.20
4	×	2.5	1	×	1.5	Circular	0.7	0.7	1.8	13.5	220	7.41	33	0.36
4	×	4	1	×	2.5	Circular	0.7	0.7	1.8	14.4	320	4.61	44	0.57
4	×	6	1	×	4	Circular	0.7	0.7	1.8	16.5	420	3.08	56	0.86
4	×	10	1	×	6	Circular	0.7	0.7	1.8	19.0	650	1.83	78	1.43
4	×	16	1	×	10	Circular	0.7	0.7	1.8	21.4	958	1.15	99	2.29
4	×	25	1	×	16	Circular	0.9	0.7	1.8	25.7	1499	0.727	131	3.58
4	×	35	1	×	16	Circular	0.9	0.7	1.8	28.2	1903	0.524	162	5.01
4	×	50	1	×	25	Circular*	1.0	0.9	1.9	31.9	2539	0.387	197	7.15
4	×	70	1	×	35	Circular*	1.1	0.9	2.1	37.1	3460	0.268	251	10.01
4	×	95	1	×	50	Circular*	1.1	1.0	2.2	41.2	4665	0.193	304	13.59
4	×	120	1	×	70	Circular*	1.2	1.1	2.4	46.1	5910	0.153	353	17.16
4	×	150	1	×	70	Circular*	1.4	1.1	2.5	50.3	7216	0.124	406	21.45
4	×	185	1	×	95	Circular*	1.6	1.1	2.7	56.3	8994	0.0991	463	26.46
4	×	240	1	×	120	Circular*	1.7	1.2	2.9	62.9	11249	0.0754	546	34.32
4	×	300	1	×	150	Circular*	1.8	1.4	3.1	69.5	14597	0.0601	628	42.90

Note: Circular*: compacted conductor. 圆形紧压导体。
Current ratings at ambient temperature 30°C. 环境温度 30°C 时的额定电流。

Low Voltage Power Cables to IEC60502-1

IEC60502-1 低压电力电缆



CU/XLPE/PVC(XV) Multi-core PVC Sheathed Cable 0.6/1kV

No. of cores		csa	No. of cores		csa	Shape of Conductor	Thickness of insulation		Thickness of sheath	Overall diameter Approx.	Weight Approx.	DC resistance at 20°C max.	Current rating-three phase AC horizontal flat touching free air	Short circuit current
芯数	×	截面	芯数	×	截面	导体形状	绝缘厚度		护套厚度	参考外径	参考重量	20°C最大直流电阻	载流量-水平接触	短路电流
主线芯			小线芯				主线芯	小线芯						
n		mm ²	n		mm ²		mm	mm	mm	mm	Kg/km	Ω/km	A	kA(1s)
3	×	2.5	2	×	1.5	Circular	0.7	0.7	1.8	14.0	210	7.41	33	0.36
3	×	4	2	×	2.5	Circular	0.7	0.7	1.8	15.0	300	4.61	44	0.57
3	×	6	2	×	4	Circular	0.7	0.7	1.8	16.5	410	3.08	56	0.86
3	×	10	2	×	6	Circular	0.7	0.7	1.8	20.1	610	1.83	78	1.43
3	×	16	2	×	10	Circular	0.7	0.7	1.8	20.7	895	1.15	99	2.29
3	×	25	2	×	16	Circular	0.9	0.7	1.8	24.3	1280	0.727	131	3.58
3	×	35	2	×	16	Circular	0.9	0.7	1.8	26.1	1582	0.524	162	5.01
3	×	50	2	×	25	Circular*	1.0	0.9	1.9	30.9	2255	0.387	197	7.15
3	×	70	2	×	35	Circular*	1.1	0.9	2.0	35.4	3087	0.268	251	10.01
3	×	95	2	×	50	Circular*	1.1	1.0	2.2	39.2	4141	0.193	304	13.59
3	×	120	2	×	70	Circular*	1.2	1.1	2.3	44.0	5324	0.153	353	17.16
3	×	150	2	×	70	Circular*	1.4	1.1	2.4	47.2	6290	0.124	406	21.45
3	×	185	2	×	95	Circular*	1.6	1.1	2.6	52.8	7866	0.0991	463	26.46
3	×	240	2	×	120	Circular*	1.7	1.2	2.8	58.9	10123	0.0754	546	34.32
3	×	300	2	×	150	Circular*	1.8	1.4	3.0	65.2	12676	0.0601	628	42.90

Note: Circular*: compacted conductor. 圆形紧压导体。
Current ratings at ambient temperature 30°C. 环境温度 30°C 时的额定电流。



Ref. Certif. No.

HU-003727

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	0,6/1kV Cables
Name and address of the applicant	Suzhou Draka Cable Co., Ltd. No 88, Kangyuan Road Xiangcheng Development Area, Suzhou, 215131 Jiangsu, P.R. China
Name and address of the manufacturer	Suzhou Draka Cable Co., Ltd. No 88, Kangyuan Road Xiangcheng Development Area, Suzhou, 215131 Jiangsu, P.R. China
Name and address of the factory	Suzhou Draka Cable Co., Ltd. No 88, Kangyuan Road Xiangcheng Development Area, Suzhou, 215131 Jiangsu, P.R. China
Ratings and principal characteristics	0,6/1kV
Trademark (if any)	PRYSMIAN
Customer's Testing Facility (CTF) Stage used	N/A
Model / Type Ref.	CU/XLPE/PVC (XV) 0,6/1kV 1X1,5...1000mm ² CU/XLPE/PVC (XV) 0,6/1kV 2...4X1,5...400mm ² CU/XLPE/PVC (XV) 0,6/1kV 5X1,5...300mm ² CU/XLPE/PVC (XV) 0,6/1kV 6...48X1,5...4mm ² CU/XLPE/PVC/AWA/PVC (XAV) 0,6/1kV 1X50...1000mm ²
Additional information (if necessary may also be reported on page 2)	Detailed information refer to test report CN215ZBW 001
A sample of the product was tested and found to be in conformity with	IEC 60502-1:2021
As shown in the Test Report Ref. No. which forms part of this Certificate	CN215ZBW 001

This CB Test Certificate is issued by the National Certification Body



TÜV Rheinland InterCert Kft., MEEI Division
H-1143 Budapest, Gizella út 51-57., Hungary
Web: www.tuv.com

Date: 2021-12-24

Signature: Wencai Zhang

1. Suzhou Draka Cable Co., Ltd.
No 88, Kangyuan Road
Xiangcheng Development Area
Suzhou
215131 Jiangsu, P.R. China

Additional information (if necessary)

Report Ref. No. : CN215ZBW 001

CU/XLPE/PVC/SWA/PVC (XAV) 0, 6/1kV 2...4X1, 5...400mm²
CU/XLPE/PVC/SWA/PVC (XAV) 0, 6/1kV 5X1, 5...300mm²
CU/XLPE/PVC/SWA/PVC (XAV) 0, 6/1kV 6...48X1, 5...4mm²



Date: 2021-12-24

Signature:

Wencai Zhang