



中天科技 专注 精细制造

ZTT FOCUSES ON PRECISION MANUFACTURING



中天科技装备电缆--船用电缆

ZTT Industrial Wire & Cable System

Shipboard Cables According to IEC 60092-350/353/354/376

中天科技装备电缆有限公司

Zhongtian Technology Industrial Wire & Cable System Co.,Ltd.

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October 2017

中天科技装备电缆有限公司
Zhongtian Technology Industrial Wire & Cable System Co.,Ltd.



目录 CONTENTS

企业简介 /Company Profile	-----	01
资质证书与检测报告 /Qualification certificate and test report		
船级社证书 /Certificates by Classification Society	-----	03
CSA低温检测报告 /Cold Test Report by CSA	-----	04
UL低温检测报告 /Cold Test Report by UL	-----	04
体系认证证书 /System Certificate	-----	05
型号说明 /Cable Code Designation	-----	06
产品简介 /Product introduction		
交联聚乙烯绝缘低压电力及控制电缆 /XLPE Insulated LV Power & Control Cable		
阻燃 Flame Retardant	CJPF86/SC,CJPI85/SC,CJPF96/SC,CJPI95/SC,CJV82/SA,CJV92/SA CJ86/SC,CJ85/SC,CJ82/SA CJPF/SC,CJPI/SC,CJV/SA	09 13 17
耐火 Fire Resistant	CJPF86/NC,CJPI85/NC,CJPF96/NC,CJPI95/NC,CJV82/NA,CJV92/NA CJ86/NC,CJ85/NC,CJ82/NA CJPF/NC,CJPI/NC,CJV/NA	22 26 30
交联聚乙烯绝缘通信及仪表电缆 /XLPE Insulated Communication & Instrumentation Cable		
阻燃 Flame Retardant	CHJPF86/SC,CHJPI85/SC,CHJV82/SA CHJPF86/SC,CHJPI85/SC,CHJVP82/SA CHJ86/SC,CHJ85/SC,CHJ82/SA CHJP86/SC,CHJP85/SC,CHJP82/SA	35 39 43 47
耐火 Fire Resistant	CHJPF86/NC,CHJPI85/NC,CHJV82/NA CHJPF86/NC,CHJPI85/NC,CHJVP82/NA CHJ86/NC,CHJ85/NC,CHJ82/NA CHJP86/NC,CHJP85/NC,CHJP82/NA	52 56 60 64
船用中压电力电缆 /SHIPBOARD MEDIUM VOLTAGE POWER CABLES	-----	68
船用变频电缆 /SHIPBOARD VARIABLE-FREQUENCY POWER CABLE	-----	74
技术资料 /Technical Information	-----	80

COMPANY PROFILE 公司简介

江苏中天科技股份有限公司是国内线缆品种最齐全的专业公司，总部位于北京市西城区金融大街33号通泰大厦B座，作为“中国特种光缆第一股”于2002年10月24日在上海证券交易所上市，证券代码：600522。公司主营的光纤、光缆、各种电缆及海缆产品，已形成近百个系列，上千个品种，并拥有800多项专利。产品运行在国家电网公司、南方电网公司、中海油、中石油、中石化、中船系统、中远系统、总参通信部和海军司令部、国电通信中心的一级干线。全介质自承式光缆（ADSS）、光纤复合架空地线（OPGW）、海底光缆（SOFC）、960芯光纤带光缆和软光缆分别被列为国家火炬项目和国家级新品。

为了促进装备电缆生产的专业化和精细化，江苏中天科技股份有限公司通过将原有子公司的优质资源优化整合，于2010年1月组建新的全资子公司中天科技装备电缆有限公司，专业从事装备电缆的研发和生产。公司位于江苏省南通经济技术开发区，占地面积158000平方米，厂房建筑面积98000平方米，公司注册资金4.38亿元人民币，累计投资超10亿元人民币。

■ 丰富的产品结构和先进的生产设备

公司主营产品是船舶及海洋工程用电线电缆、轨道车辆用电缆、新能源电缆（风能电缆、光伏电缆）、电动汽车充电桩用电缆、航空线缆、矿用电缆、港机电缆等工业装备用电线电缆。公司现已建成20000m²塑料绝缘电缆生产车间和橡皮绝缘电缆生产车间各一个、一个辐照加工中心（3MeV、4.5MeV电子加速器各一台）、一个国内先进的电缆橡胶材料加工中心，具备了年生产长度50000公里、产值20亿元的特种电缆的生产能力。目前，船用电缆、海工电缆已通过了ABS、BV、CCS、DNV-GL、KR、LR、NK、CRS、RS和RINA的工厂型式认可和产品认可。

■ 一流的技术研发能力

在国家电线电缆质量监督检验中心（TICW）和德国莱茵TUV技术有限公司的指导下组建了中天科技特种电缆检测中心。公司还成立了国内检测和试验设备最齐全的企业电线电缆检测中心和燃烧实验室，可进行阻燃、耐火、毒性指数、耐高低温等关键性能测试。检测中心已经获得CNAS认证。公司引进了国际先进的全面质量管理程序与体系，保障了产品生产的稳定与质量一致性。

■ 宏伟的发展蓝图

精细制造、科技创新；顾客满意、成就卓越！

中天科技装备电缆有限公司以其独特的区位优势和技术条件，一流的制造、检测设备和专业技术，完善的质保体系和配套技术服务以及强有力的团队奠定了中天科技装备电缆在业界的优势地位。

With the head-quarter located in Block B TongTai Mansion No.33 Financial Street, Xicheng District, Beijing Zhongtian Technology Co., Ltd (abbr. ZTT hereafter) is now the most complete manufacturer specialized in various of professional cables in China. Famed "The first stock of special fiber optic cable in China", ZTT issues stock 'A' on 24 Oct 2002 in Shanghai and becomes a public company (Stock No.: 600522). The product family includes optic fiber, optic fiber cable, various power cables and submarine cables, and has formed near one hundred series, over one thousand types and more than 800 patents. ZTT products have been comprehensively used in State Grid Corp, South China Power Grid, China National Offshore Oil Corp, China National Petroleum Corporation, China Petroleum Chemical Corporation, Communication Department of Headquarters of the General Staff of PLA, General Headquarters of PLA Naval and First-rate Lines of Communication Centre of National Grid. ZTT's ADSS, OPGW, SOFC, 960 Cores Fiber Ribbon FOC and Soft FOC are listed respectively in China National Torch Program Items and National Innovative Products.

In order to make the production of industrial wire and cable professional and meticulous, Zhongtian Technology Industrial Wire & Cable System Co., Ltd, a subsidiary of ZTT specialized in researching and producing industrial wire and cable, is founded in January, 2010.

Zhongtian Technology Industrial Wire & Cable System Co., Ltd locates in Nantong Economic & Technological Development Zone with an area of 158,000m² and floor area of 98,000m². The gross investment is RMB1000, 000,000 with registered capital RMB438, 000,000.

■ Plentiful Product & Advanced Equipment

The products family includes marine cable, rolling stock cable, port machinery cable, offshore cable, low temperature wind power cable, cable applied in nuclear power station and photoelectric equipment, mine cable, elevator cable, rubber-sheathed cable, welder cable, electric motor connection cable and other electric devices wires and cables, in which all kinds of wires and cables are involved. The company has built a plastic-insulated cable workshop and a rubber-insulated cable workshop, and each one covers an area of 20000m². There is an irradiation center equipped two electronic accelerators (3MeV and 4.5MeV) and also a center for processing advanced rubber material of cable in the company. Attributed to these facilities, the annual production capacity of Zhongtian Technology Industrial Wire & Cable System Co., Ltd is now up to 50000km with sales of RMB2,000, 000,000. And the marine and offshore cable has been appraised by ABS, BV, CCS, DNV, GL, KR, LR, NK, CRS, RS and RINA so far.

Advanced R&D Capabilities

Under the instruction of China Test and Inspection Center of Wire & Cable (TICW) and TUV Rhineland Technology Co., Ltd, ZTT also established Test Center for Special Cable. The research center and the test center focus on technical development in insulating, high and low temperature resistant, oil resistant materials. The wire & cable testing center with completed testing equipment also founded to control the products' quality and stability, particularly in cable's crucial performances such as flame retardant, fire resistance, toxicity index. It introduces international-level advanced Total Quality Management System to ensure the production stable and in good quality.

Future Plans

Our slogan: Precision Manufacturing, Technological Innovation; Customer Satisfaction, Outstanding achievements! Supported by the special location superiority, technology strength, first class manufacture and testing equipments, completed quality control system and technical service, Zhongtian Technology Industrial Wire & Cable System Co., Ltd has attracted a powerful team and set up a good public relationship, which lays the foundations of dominant position in this field.

中天科技装备电缆有限公司热忱欢迎广大用户、专家、朋友莅临指导！

Warmly welcome to Zhongtian Technology Industrial Wire & Cable System Co., Ltd!



CERTIFICATES BY CLASSIFICATION SOCIETY 船级社证书



• DNV GL •



• ABS •



• LR •



• BV •



• KR •



• NK •



• CCS •



• RINA •

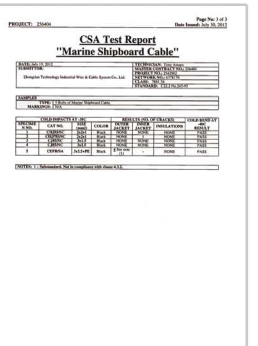
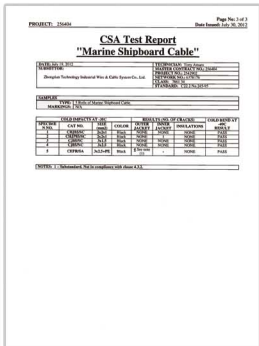
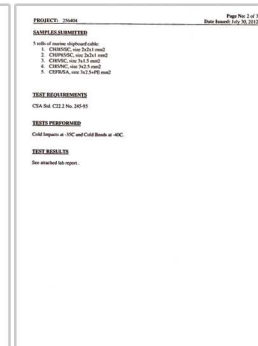
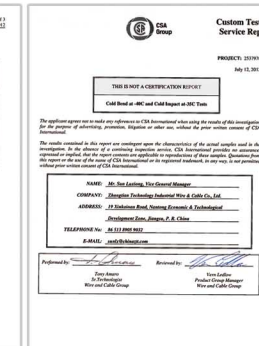
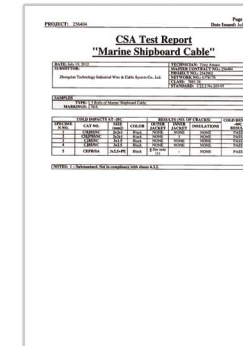


• RS •

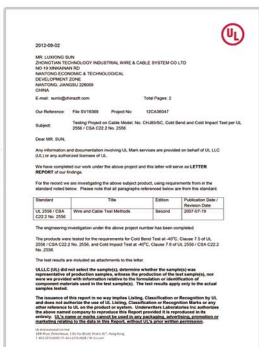
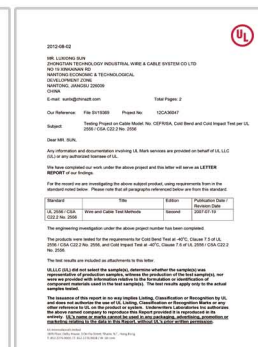
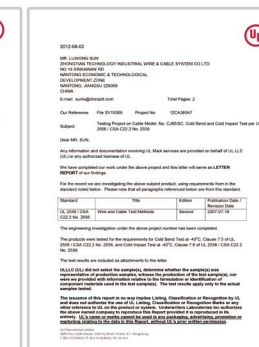
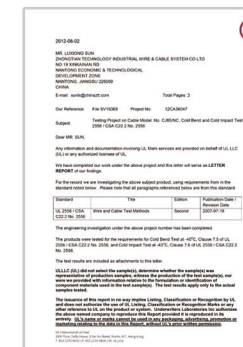


• CRS •

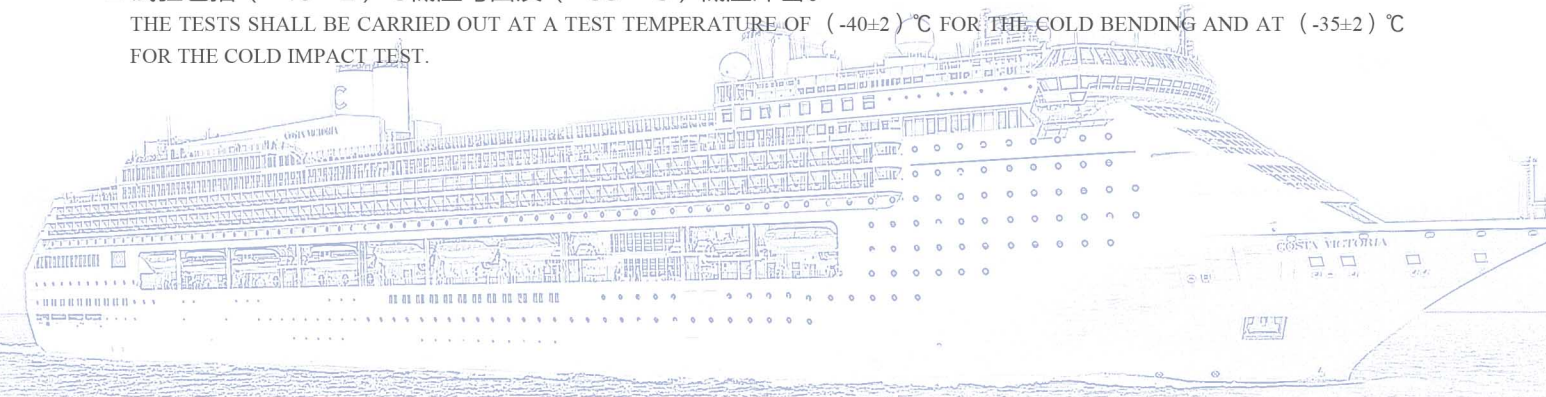
COLD TEST REPORT BY CSA CSA低温检测报告



COLD TEST REPORT BY UL UL低温检测报告



■ 试验包括 $(-40 \pm 2)^\circ\text{C}$ 低温弯曲及 $(-35 \pm 2)^\circ\text{C}$ 低温冲击。
THE TESTS SHALL BE CARRIED OUT AT A TEST TEMPERATURE OF $(-40 \pm 2)^\circ\text{C}$ FOR THE COLD BENDING AND AT $(-35 \pm 2)^\circ\text{C}$ FOR THE COLD IMPACT TEST.



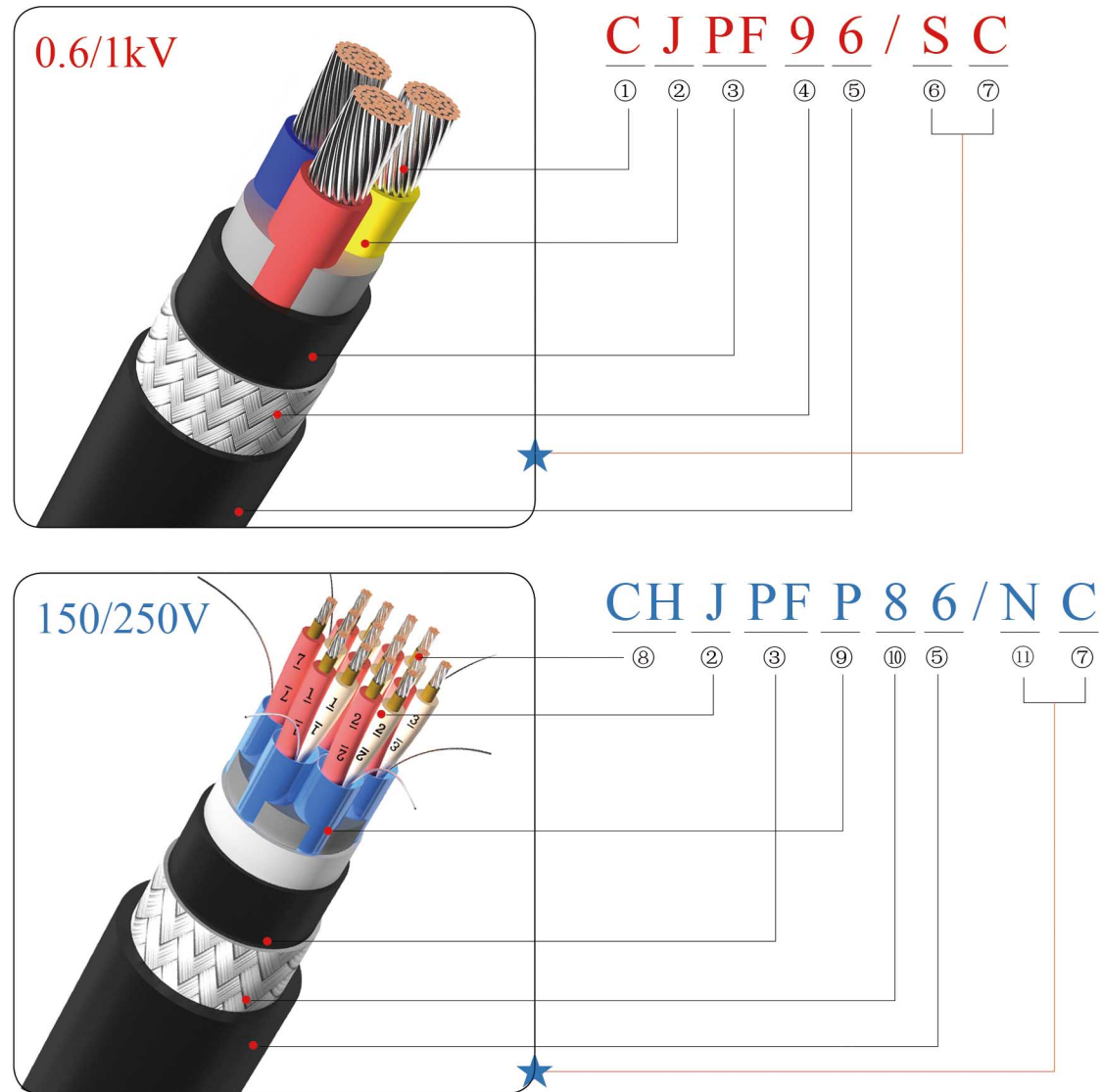
SYSTEM CERTIFICATE 体系认证证书

CABLE CODE DESIGNATION 型号说明

14001证书 9000管理证书 OHSAS18001证书

1、电缆系列代号 Code for Cable Series	
船用电力及控制电缆 Shipboard Power & Control Cable	C
船用通信及仪表电缆 Shipboard Communication & Instrumentation Cable	CH
2、绝缘代号 Code for Insulation	
交联聚乙烯绝缘 XLPE Insulated	J
3、内护套（内衬层）代号 Code for Inner Sheath or Inner Covering	
交联聚烯烃护套（热固型）Cross-linked PO Sheath(SHF2)	PJ
聚烯烃护套（热塑型）PO Sheath(SHF1)	PF
聚氯乙烯护套 PVC Sheath (ST2)	V
4、铠装代号 Code for Armour	
铜丝编织 Tinned Copper(or Plain)Wire Braided	8
镀锌钢丝编织 Galvanized Steel Wire Braided	9
5、外护套代号 Code for Outer Sheath	
聚氯乙烯外护套 PVC Outer Sheath (ST2)	2
交联聚烯烃外护套（热固型）Cross-linked PO Outer Sheath(SHF2)	5
聚烯烃外护套（热塑型）PO Outer Sheath(SHF1)	6
6、其他结构代号 Code for Other Construction	
导电线芯为软结构 Flexible Conductor	R
铝塑复合带线芯或线对分屏蔽 Wire or Pair with Individual Screen(AL/PS Tape)	P
地线 Ground Core	G
7、燃烧特性代号 Code for Flammability	
成束阻燃 Bunched Cable Flame Retardant	SA
成束阻燃，低烟，无卤，低毒 Bunched Cable Flame Retardant, Halogen-free, Low-smoke, Low-toxicity	SC
耐火 Fire Resistant	NA
耐火，低烟，无卤，低毒 Fire Resistant, Halogen-free, Low-smoke, Low-toxicity	NC



SAMPLE
例图

- | | |
|--|---|
| 1、电力及控制电缆 POWER & CONTROL CABLE | 7、低烟，无卤，低毒 HALOGEN-FREE,LOW-SMOKE,LOW-TOXICITY |
| 2、交联聚乙烯绝缘 XLPE INSULATED | 8、通信及仪表电缆 COMMUNICATION & INSTRUMENTATION CABLE |
| 3、聚烯烃护套（热塑型） PO SHEATH(SHF1) | 9、分屏蔽 INDIVIDUAL SCREEN(AL/PS TAPE WITH A DRAIN WIRE) |
| 4、镀锌钢丝编织 GALVANIZED STEEL WIRE BRAIDED | 10、铜丝编织 TINNED COPPER(OR PLAIN)WIRE BRAIDED |
| 5、聚烯烃外护套（热塑型） PO OUTER SHEATH(SHF1) | 11、耐火 FIRE RESISTANT |
| 6、成束阻燃 BUNCHED CABLE FLAME RETARDANT | |

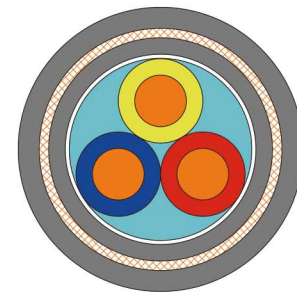
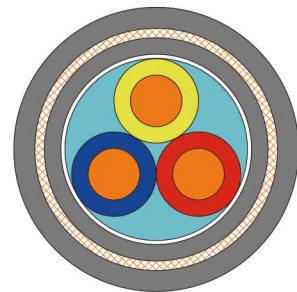
XLPE INSULATED FLAME RETARDANT
LOW VOLTAGE POWER & CONTROL CABLES

交联聚乙烯绝缘阻燃低压电力及控制电缆



XLPE INSULATED FLAME RETARDANT LOW VOLTAGE POWER & CONTROL CABLES
交联聚乙烯绝缘阻燃低压电力及控制电缆

XLPE INSULATED FLAME RETARDANT LOW VOLTAGE POWER & CONTROL CABLES
交联聚乙烯绝缘阻燃低压电力及控制电缆



电缆型号 CABLE DESIGNATION

0.6/1kV CJP86/SC,CJP85/SC,CJPF96/SC,CJPJ95/SC

电缆型号 CABLE DESIGNATION

0.6/1kV CJV82/SA,CJV92/SA

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,SHF1,SHF2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
无卤 Halogen Free	IEC 60754
低烟 Low Smoke	IEC 61034
低毒 Low Toxicity	IEC 60754
低温-25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max.Rated Conductor Temperature:90°C	

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,ST2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
低温-25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail																		
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper																		
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360																		
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable																		
内衬层或内护套 Inner Covering or Inner Sheath	热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360 热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360																		
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid 镀锌钢丝编织 Galvanized steel wire braid																		
外护套 Outer Sheath	热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360 热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360																		
线芯标识 Core Identification	<table border="1"> <thead> <tr> <th>线芯芯数 No. of cores</th> <th>无接地线 Without earth core</th> <th>有接地线 With earth core</th> </tr> </thead> <tbody> <tr> <td>单芯 Single core</td> <td>白色 White</td> <td></td> </tr> <tr> <td>两芯 Double cores</td> <td>蓝色 Blue,棕色Brown</td> <td></td> </tr> <tr> <td>三芯 Three cores</td> <td>黑色Black,棕色Brown,灰色Grey</td> <td>蓝色Blue,棕色Brown,黄/绿Yellow/Green</td> </tr> <tr> <td>四芯 Four cores</td> <td>蓝色Blue,棕色Brown,黑色Black,灰色Grey</td> <td>黑色Black,棕色Brown,灰色Grey,黄/绿Yellow/Green</td> </tr> <tr> <td>五芯及以上 5 cores and above</td> <td>白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing</td> <td>白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing 黄/绿Yellow/Green</td> </tr> </tbody> </table>	线芯芯数 No. of cores	无接地线 Without earth core	有接地线 With earth core	单芯 Single core	白色 White		两芯 Double cores	蓝色 Blue,棕色Brown		三芯 Three cores	黑色Black,棕色Brown,灰色Grey	蓝色Blue,棕色Brown,黄/绿Yellow/Green	四芯 Four cores	蓝色Blue,棕色Brown,黑色Black,灰色Grey	黑色Black,棕色Brown,灰色Grey,黄/绿Yellow/Green	五芯及以上 5 cores and above	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing 黄/绿Yellow/Green
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四芯 Four cores	蓝色Blue,棕色Brown,黑色Black,灰色Grey	黑色Black,棕色Brown,灰色Grey,黄/绿Yellow/Green																	
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注: 1.字母“G”标示该电缆有一根接地线芯。 2.若客户特殊要求,其他标识方法亦可采用。 Note: 1.The letter “G” means that cable has the ground core 2.The other color scheme may be applicable when purchaser required.																			

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail																		
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper																		
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360																		
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable																		
内衬层或内护套 Inner Covering or Inner Sheath	聚氯乙烯 ST2 as per IEC 60092-360																		
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid 镀锌钢丝编织 Galvanized steel wire braid																		
外护套 Outer Sheath	聚氯乙烯 ST2 as per IEC 60092-360																		
线芯标识 Core Identification	<table border="1"> <thead> <tr> <th>线芯芯数 No. of cores</th> <th>无接地线 Without earth core</th> <th>有接地线 With earth core</th> </tr> </thead> <tbody> <tr> <td>单芯 Single core</td> <td>白色 White</td> <td></td> </tr> <tr> <td>两芯 Double cores</td> <td>蓝色 Blue,棕色Brown</td> <td></td> </tr> <tr> <td>三芯 Three cores</td> <td>黑色Black,棕色Brown,灰色Grey</td> <td>蓝色Blue,棕色Brown,黄/绿Yellow/Green</td> </tr> <tr> <td>四芯 Four cores</td> <td>蓝色Blue,棕色Brown,黑色Black,灰色Grey</td> <td>黑色Black,棕色Brown,灰色Grey,黄/绿Yellow/Green</td> </tr> <tr> <td>五芯及以上 5 cores and above</td> <td>白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing</td> <td>白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing 黄/绿Yellow/Green</td> </tr> </tbody> </table>	线芯芯数 No. of cores	无接地线 Without earth core	有接地线 With earth core	单芯 Single core	白色 White		两芯 Double cores	蓝色 Blue,棕色Brown		三芯 Three cores	黑色Black,棕色Brown,灰色Grey	蓝色Blue,棕色Brown,黄/绿Yellow/Green	四芯 Four cores	蓝色Blue,棕色Brown,黑色Black,灰色Grey	黑色Black,棕色Brown,灰色Grey,黄/绿Yellow/Green	五芯及以上 5 cores and above	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing 黄/绿Yellow/Green
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注: 1.字母“G”标示该电缆有一根接地线芯。 2.若客户特殊要求,其他标识方法亦可采用。 Note: 1.The letter “G” means that cable has the ground core 2.The other color scheme may be applicable when purchaser required.																			



交联聚乙烯绝缘阻燃低压电力及控制电缆

交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆

交联聚乙烯绝缘阻燃及耐火通信及仪表电缆

交联聚乙烯绝缘阻燃及耐火通信仪表电缆

船用中压电力电缆

船用变频电缆

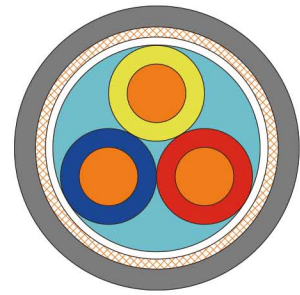
技术资料

No.×mm ²	Diameter		Approx. Weight				Conductor resistance at 20°C	Insulation resistance at 20°C
	Nominal	Tolerance	CJV82/SA	CJV92/SA	CJPF86/SC CJPJ85/SC	CJPF96/SC CJPJ95/SC		
1×1	7.6	0.7	82	80	83	81	18.2	1170
1×1.5	7.8	0.7	89	87	92	89	12.2	1050
1×2.5	8.2	0.7	105	102	108	105	7.56	840
1×4	8.8	0.7	128	125	131	128	4.70	720
1×6	9.4	0.7	157	153	158	155	3.11	600
1×10	10.4	0.7	211	207	215	211	1.84	480
1×16	11.4	0.7	274	270	276	272	1.16	390
1×25	13.2	0.8	393	388	396	391	0.734	420
1×35	14.4	0.8	495	489	497	491	0.529	360
1×50	16.6	0.9	676	666	680	669	0.391	330
1×70	18.6	1.0	909	897	912	901	0.270	300
1×95	20.6	1.0	1169	1156	1174	1160	0.195	270
1×120	22.5	1.1	1442	1428	1447	1433	0.154	270
1×150	24.6	1.2	1748	1731	1753	1737	0.126	270
1×185	27.0	1.2	2130	2112	2136	2118	0.100	270
1×240	29.9	1.3	2715	2695	2722	2702	0.0762	240
1×300	32.7	1.4	3325	3303	3333	3311	0.0607	240
2×1	10.6	0.7	152	148	154	150	18.2	1170
2×1.5	11.2	0.7	174	169	176	172	12.2	1050
2×2.5	12.0	0.7	209	205	212	207	7.56	840
2×4	13.4	0.8	267	262	270	265	4.70	720
2×6	14.4	0.8	327	321	330	324	3.11	600
2×10	16.8	0.9	482	472	486	476	1.84	480
2×16	19.0	1.0	637	626	642	630	1.16	390
2×25	22.4	1.1	912	897	917	902	0.734	420
2×35	24.8	1.2	1167	1150	1173	1156	0.529	360
2×50	28.2	1.3	1516	1497	1523	1504	0.391	330
2×70	32.4	1.4	2041	2019	2050	2027	0.270	300
2×95	36.8	1.6	2688	2663	2699	2674	0.195	270
2×120	41.0	1.7	3403	3365	3416	3378	0.154	270
2×150	45.0	1.9	4094	4052	4109	4066	0.126	270
2×185	50.4	2.0	5091	5044	5109	5062	0.100	270
2×240	56.2	2.2	6464	6411	6486	6432	0.0762	240
2×300	62.2	2.4	7958	7899	7984	7925	0.0607	240
3×1	11.0	0.7	171	167	174	170	18.2	1170
3×1.5	11.8	0.7	197	193	199	195	12.2	1050
3×2.5	12.6	0.8	244	239	246	241	7.56	840
3×4	14.0	0.8	317	312	321	316	4.70	720
3×6	15.2	0.9	399	393	402	396	3.11	600
3×10	17.8	0.9	595	584	599	588	1.84	480
3×16	20.0	1.0	795	783	800	787	1.16	390
3×25	23.8	1.1	1178	1162	1184	1168	0.734	420
3×35	26.4	1.2	1507	1489	1513	1495	0.529	360
3×50	30.2	1.4	2000	1979	2008	1987	0.391	330
3×70	35.0	1.5	2755	2731	2765	2741	0.270	300
3×95	39.2	1.7	3588	3561	3600	3573	0.195	270
3×120	43.8	1.8	4560	4519	4574	4533	0.154	270
3×150	48.5	2.0	5550	5505	5567	5522	0.126	270
3×185	53.9	2.1	6833	6782	6853	6802	0.100	270
3×240	60.5	2.4	8797	8740	8823	8765	0.0762	240
3×300	66.5	2.6	10795	10732	10824	10761	0.0607	240

No.×mm ²	Diameter		Approx. Weight				Conductor resistance at 20°C	Insulation resistance at 20°C
	Nominal	Tolerance	CJV82/SA	CJV92/SA	CJPF86/SC CJPJ85/SC	CJPF96/SC CJPJ95/SC		
4×1	11.8	0.7	196	192	198	194	18.20	1170
4×1.5	12.6	0.8	232	228	235	230	12.20	1050
4×2.5	13.6	0.8	293	287	296	291	7.56	840
4×4	15.2	0.9	381	375	384	378	4.70	720
4×6	17.0	0.9	518	508	522	511	3.11	600
4×10	19.4	1.0	732	720	736	724	1.84	480
4×16	22.0	1.1	998	984	1003	989	1.16	390
4×25	26.0	1.2	1482	1464	1488	1470	0.734	420
4×35	29.0	1.3	1907	1887	1914	1894	0.529	360
4×50	33.2	1.5	2532	2509	2541	2518	0.391	330
4×70	38.4	1.6	3494	3467	3506	3479	0.270	300
4×95	43.8	1.8	4693	4653	4708	4667	0.195	270
4×120	48.6	2.0	5857	5811	5874	5829	0.154	270
4×150	53.6	2.1	7124	7073	7144	7093	0.126	270
4×185	59.6	2.3	8771	8714	8795	8738	0.100	270
4×240	67.1	2.6	11365	11301	11395	11331	0.0762	240
4×300	73.8	2.8	13955	13884	13989	13918	0.0607	240
5×1	12.6	0.8	219	214	221	216	18.2	1170
7×1	13.6	0.8	263	258	266	261	18.2	1170
10×1	16.8	0.9	386	377	390	380	18.2	1170
12×1	17.2	0.9	422	411	425	415	18.2	1170
14×1	18.0	0.9	463	452	467	456	18.2	1170
16×1	19.0	1.0	517	506	521	510	18.2	1170
19×1	19.8	1.0	571	558	575	562	18.2	1170
24×1	22.6	1.1	702	688	708	693	18.2	1170
27×1	23.0	1.1	752	736	764	748	18.2	1170
30×1	23.8	1.1	813	797	823	807	18.2	1170
37×1	25.6	1.2	953	936	963	946	18.2	1170
5×1.5	13.6	0.8	263	258	265	260	12.2	1050
7×1.5	14.4	0.8	312	306	315	309	12.2	1050
10×1.5	18.0	1.0	459	447	463	451	12.2	1050
12×1.5	18.8	1.0	515	503	519	507	12.2	1050
14×1.5	19.4	1.0	567	555	572	559	12.2	1050
16×1.5	20.4	1.0	625	612	629	616	12.2	1050
19×1.5	21.4	1.1	704	690	709	695	12.2	1050
24×1.5	24.6	1.2	869	852	885	866	12.2	1050
27×1.5	25.2	1.2	941	924	951	934	12.2	1050
30×1.5	25.8	1.2	1006	989	1021	1003	12.2	1050
37×1.5	27.8	1.3	1185	1166	1201	1182	12.2	1050
5×2.5	14.6	0.8	331	325	334	328	7.56	840
7×2.5	16.2	0.9	439	429	443	433	7.56	840
10×2.5	19.8	1.0	599	587	604	591	7.56	840
12×2.5	20.4	1.0	667	653	671	658	7.56	840
14×2.5	21.4	1.1	753	739	758	744	7.56	840
16×2.5	22.4	1.1	834	819	839	824	7.56	840
19×2.5	23.4	1.1	934	918	946	930	7.56	840
24×2.5	27.2	1.3	1172	1153	1187	1169	7.56	840
27×2.5	27.8	1.3	1275	1256	1287	1267	7.56	840
30×2.5	28.8	1.3	1386	1366	1393	1373	7.56	840
37×2.5	31.0	1.4	1642	1620	1650	1628	7.56	840

交联聚乙烯绝缘阻燃及耐火低电压电力及控制电缆
交联聚乙烯绝缘阻燃及耐火低电压电力及控制电缆
交联聚乙烯绝缘阻燃及耐火低电压电力及控制电缆
交联聚乙烯绝缘阻燃及耐火低电压电力及控制电缆
船用中压电力电缆
船用变频电缆
技术资料

XLPE INSULATED FLAME RETARDANT LOW VOLTAGE POWER & CONTROL CABLES
交联聚乙烯绝缘阻燃低压电力及控制电缆



电缆型号 CABLE DESIGNATION

0.6/1KV CJ86/SC,CJ85/SC

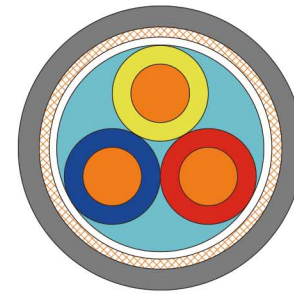
参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,SHF1,SHF2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
无卤 Halogen Free	IEC 60754
低烟 Low Smoke	IEC 61034
低毒 Low Toxicity	IEC 60754
低温-25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail		
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper		
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360		
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable		
内衬层 Inner Covering	无卤隔氧带 Halogen free tape		
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid		
外护套 Outer Sheath	热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360 热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360		
线芯标识 Core Identification	线芯芯数 No. of cores	无接地线 Without earth core	有接地线 With earth core
	单芯 Single core	白色 White	
	两芯 Double cores	蓝色 Blue,棕色Brown	
	三芯 Three cores	黑色Black,棕色Brown,灰色Grey	蓝色Blue,棕色Brown,黄/绿Yellow/Green
	四芯 Four cores	蓝色Blue,棕色Brown,黑色Black,灰色Grey	黑色Black,棕色Brown,灰色Grey,黄/绿Yellow/Green
五芯及以上 5 cores and above	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing
注: 1.字母“G”标示该电缆有一根接地线芯。 2.若客户特殊要求,其他标识方法亦可采用。 Note: 1.The letter “G”means that cable has the ground core 2.The other color scheme may be applicable when purchaser required.			

XLPE INSULATED FLAME RETARDANT LOW VOLTAGE POWER & CONTROL CABLES
交联聚乙烯绝缘阻燃低压电力及控制电缆



电缆型号 CABLE DESIGNATION

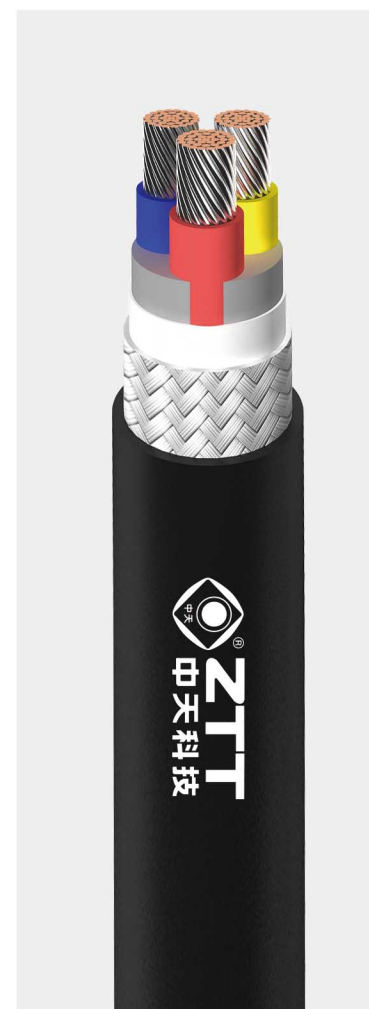
0.6/1KV CJ82/SA

参照标准 APPLICATION STANDARD

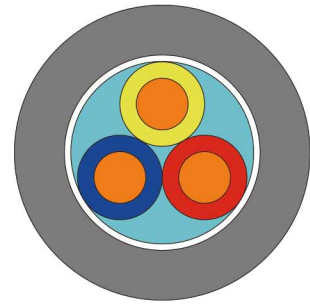
设计 Design Guide	IEC 60092-350&IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,ST2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
低温-25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail		
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper		
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360		
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable		
内衬层 Inner Covering	聚氯乙烯带 PVC tape		
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid		
外护套 Outer Sheath	聚氯乙烯 ST2 as per IEC 60092-360		
线芯标识 Core Identification	线芯芯数 No. of cores	无接地线 Without earth core	有接地线 With earth core
	单芯 Single core	白色 White	
	两芯 Double cores	蓝色 Blue,棕色Brown	
	三芯 Three cores	黑色Black,棕色Brown,灰色Grey	蓝色Blue,棕色Brown,黄/绿Yellow/Green
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五芯及以上 5 cores and above	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing
注: 1.字母“G”标示该电缆有一根接地线芯。 2.若客户特殊要求,其他标识方法亦可采用。 Note: 1.The letter “G”means that cable has the ground core 2.The other color scheme may be applicable when purchaser required.			



XLPE INSULATED FLAME RETARDANT LOW VOLTAGE POWER & CONTROL CABLES
交联聚乙烯绝缘阻燃低压电力及控制电缆



电缆型号 CABLE DESIGNATION

0.6/1kV CJP/SC,CJP/SC

参照标准 APPLICATION STANDARD

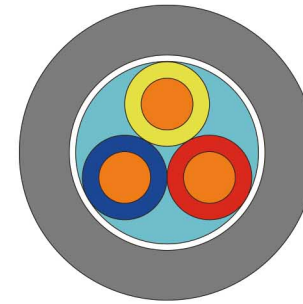
设计 Design Guide	IEC 60092-350&IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,SHF1,SHF2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
无卤 Halogen Free	IEC 60754
低烟 Low Smoke	IEC 61034
低毒 Low Toxicity	IEC 60754
低温-25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail		
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper		
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360		
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable		
护套 Sheath	热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360 热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360		
线芯标识 Core Identification	线芯芯数 No. of cores	无接地线 Without earth core	有接地线 With earth core
	单芯 Single core	白色 White	
	两芯 Double cores	蓝色 Blue,棕色Brown	
	三芯 Three cores	黑色Black, 棕色Brown, 灰色Grey	蓝色Blue, 棕色Brown, 黄/绿Yellow/Green
	四芯 Four cores	蓝色Blue,棕色Brown, 黑色Black, 灰色Grey,	黑色Black, 棕色Brown, 灰色Grey,黄/绿Yellow/Green
	五芯及以上 5 cores and above	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing 黄/绿Yellow/Green
注: 1.字母“G”标示该电缆有一根接地线芯。 2.若客户特殊要求,其他标识方法亦可采用。 Note: 1.The letter “G”means that cable has the ground core 2.The other color scheme may be applicable when purchaser required.			



XLPE INSULATED FLAME RETARDANT LOW VOLTAGE POWER & CONTROL CABLES
交联聚乙烯绝缘阻燃低压电力及控制电缆



电缆型号 CABLE DESIGNATION

0.6/1kV CJV/SA

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,ST2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
低温-25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail		
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper		
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360		
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable		
护套 Sheath	聚氯乙烯 ST2 as per IEC 60092-360		
线芯标识 Core Identification	线芯芯数 No. of cores	无接地线 Without earth core	有接地线 With earth core
	单芯 Single core	白色 White	
	两芯 Double cores	蓝色 Blue,棕色Brown	
	三芯 Three cores	黑色Black, 棕色Brown, 灰色Grey	蓝色Blue, 棕色Brown, 黄/绿Yellow/Green
	四芯 Four cores	蓝色Blue,棕色Brown, 黑色Black, 灰色Grey,	黑色Black, 棕色Brown, 灰色Grey,黄/绿Yellow/Green
	五芯及以上 5 cores and above	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing 黄/绿Yellow/Green
注: 1.字母“G”标示该电缆有一根接地线芯。 2.若客户特殊要求,其他标识方法亦可采用。 Note: 1.The letter “G”means that cable has the ground core 2.The other color scheme may be applicable when purchaser required.			



交联聚乙烯绝缘阻燃低压电力及控制电缆

交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆

交联聚乙烯绝缘阻燃及耐火通信及仪表电缆

交联聚乙烯绝缘阻燃及耐火通信仪表电缆

船用中压电力电缆

船用变频电缆

技术资料

No.×mm ²	Diameter		Approx.Weight		Conductor resistance at 20°C	Insulation resistance at 20°C
	Nominal	Tolerance	CJV/SA	CJPF/SC CJPJ/SC		
	mm	±mm	kg/km			
1×1	4.8	0.7	33	33	18.2	1170
1×1.5	5.1	0.7	39	40	12.2	1050
1×2.5	5.5	0.7	51	52	7.56	840
1×4	6.1	0.7	69	70	4.70	720
1×6	6.6	0.7	91	91	3.11	600
1×10	7.5	0.7	134	135	1.84	480
1×16	8.5	0.7	186	187	1.16	390
1×25	10.3	0.7	288	289	0.734	420
1×35	11.4	0.7	378	379	0.529	360
1×50	13.2	0.8	512	513	0.391	330
1×70	15.3	0.9	721	723	0.270	300
1×95	17.2	0.9	960	962	0.195	270
1×120	19.1	1.0	1211	1214	0.154	270
1×150	21.2	1.1	1482	1485	0.126	270
1×185	23.5	1.1	1837	1840	0.100	270
1×240	26.4	1.2	2388	2392	0.0762	240
1×300	29.2	1.3	2966	2970	0.0607	240
2×1	7.7	0.7	69	71	18.2	1170
2×1.5	8.3	0.7	85	86	12.2	1050
2×2.5	9.3	0.7	117	119	7.56	840
2×4	10.5	0.7	156	159	4.70	720
2×6	11.5	0.7	206	208	3.11	600
2×10	13.5	0.8	311	314	1.84	480
2×16	15.7	0.9	448	450	1.16	390
2×25	19.1	1.0	683	686	0.734	420
2×35	21.5	1.1	899	903	0.529	360
2×50	24.9	1.2	1209	1213	0.391	330
2×70	28.9	1.3	1689	1694	0.270	300
2×95	33.1	1.4	2275	2281	0.195	270
2×120	36.7	1.6	2844	2851	0.154	270
2×150	40.7	1.7	3475	3484	0.126	270
2×185	45.7	1.9	4357	4369	0.100	270
2×240	51.5	2.1	5641	5654	0.0762	240
2×300	56.9	2.3	6963	6979	0.0607	240
3×1	8.1	0.7	85	86	18.2	1170
3×1.5	8.8	0.7	105	107	12.2	1050
3×2.5	9.8	0.7	150	151	7.56	840
3×4	11.1	0.7	201	203	4.70	720
3×6	12.4	0.8	280	283	3.11	600
3×10	14.4	0.8	416	420	1.84	480
3×16	16.7	0.9	594	596	1.16	390
3×25	20.4	1.0	924	927	0.734	420
3×35	23.0	1.1	1221	1224	0.529	360
3×50	26.8	1.2	1671	1676	0.391	330
3×70	31.1	1.4	2344	2350	0.270	300
3×95	35.4	1.5	3126	3133	0.195	270
3×120	39.5	1.7	3960	3969	0.154	270
3×150	43.8	1.8	4840	4850	0.126	270
3×185	49.2	2.0	6046	6059	0.100	270
3×240	55.4	2.2	7857	7872	0.0762	240
3×300	61.4	2.4	9763	9782	0.0607	240

No.×mm ²	Diameter		Approx.Weight		Conductor resistance at 20°C	Insulation resistance at 20°C
	Nominal	Tolerance	CJV/SA	CJPF/SC CJPJ/SC		
	mm	±mm	kg/km			
4×1	8.8	0.7	105	106	18.2	1170
4×1.5	9.8	0.7	139	140	12.2	1050
4×2.5	10.6	0.7	180	182	7.56	840
4×4	12.4	0.8	261	265	4.70	720
4×6	13.6	0.8	348	352	3.11	600
4×10	16.0	0.9	534	538	1.84	480
4×16	18.6	1.0	776	778	1.16	390
4×25	22.6	1.1	1201	1205	0.734	420
4×35	25.4	1.2	1591	1596	0.529	360
4×50	29.8	1.3	2169	2174	0.391	330
4×70	34.6	1.5	3040	3047	0.270	300
4×95	39.6	1.7	4094	4103	0.195	270
4×120	44.0	1.8	5147	5157	0.154	270
4×150	49.0	2.0	6333	6346	0.126	270
4×185	55.0	2.2	7896	7911	0.100	270
4×240	62.0	2.4	10289	10308	0.0762	240
4×300	69.0	2.6	12775	12797	0.0607	240
5×1	9.8	0.7	126	127	18.2	1170
7×1	10.6	0.7	156	157	18.2	1170
10×1	13.4	0.8	215	219	18.2	1170
12×1	13.8	0.8	245	249	18.2	1170
14×1	14.6	0.8	281	285	18.2	1170
16×1	15.6	0.9	324	328	18.2	1170
19×1	16.4	0.9	368	372	18.2	1170
24×1	19.2	1.0	460	466	18.2	1170
27×1	19.6	1.0	504	510	18.2	1170
30×1	20.4	1.0	556	563	18.2	1170
37×1	22.2	1.1	674	682	18.2	1170
5×1.5	10.6	0.7	155	156	12.2	1050
7×1.5	11.4	0.7	191	194	12.2	1050
10×1.5	14.6	0.8	272	276	12.2	1050
12×1.5	15.4	0.9	323	328	12.2	1050
14×1.5	16.0	0.9	363	368	12.2	1050
16×1.5	17.0	0.9	413	418	12.2	1050
19×1.5	18.0	0.9	476	483	12.2	1050
24×1.5	21.2	1.1	601	609	12.2	1050
27×1.5	21.8	1.1	666	674	12.2	1050
30×1.5	22.4	1.1	724	732	12.2	1050
37×1.5	24.4	1.2	878	887	12.2	1050
5×2.5	11.6	0.7	208	211	7.56	840
7×2.5	12.8	0.8	274	277	7.56	840
10×2.5	16.4	0.9	390	394	7.56	840
12×2.5	17.0	0.9	454	460	7.56	840
14×2.5	18.0	0.9	524	530	7.56	840
16×2.5	19.0	1.0	593	599	7.56	840
19×2.5	20.0	1.0	680	686	7.56	840
24×2.5	23.8	1.1	871	880	7.56	840
27×2.5	24.4	1.2	967	976	7.56	840
30×2.5	25.2	1.2	1056	1065	7.56	840
37×2.5	27.4	1.3	1284	1294	7.56	840

交联聚乙烯绝缘阻燃低电压电力及控制电缆

交联聚乙烯绝缘阻燃及耐火低电压电力及控制电缆

交联聚乙烯绝缘阻燃通信及仪表电缆

交联聚乙烯绝缘阻燃及耐火通信仪表电缆

船用中压电力电缆

船用变频电缆

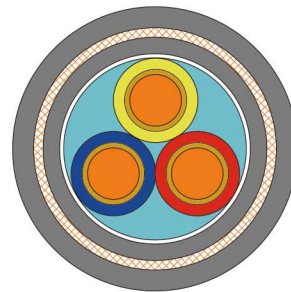
技术资料



**XLPE INSULATED, FIRE RESISTANT & FLAME RETARDANT
LOW VOLTAGE POWER & CONTROL CABLES**

交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆

XLPE INSULATED, FIRE RESISTANT & FLAME RETARDANT, LOW VOLTAGE POWER & CONTROL CABLES
交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆



电缆型号 CABLE DESIGNATION

0.6/1kV CJPF86/NC,CJPF85/NC,CJPF96/NC,CJPF95/NC

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,SHF1,SHF2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
耐火 Fire Resistant	IEC 60331
无卤 Halogen Free	IEC 60754
低烟 Low Smoke	IEC 61034
低毒 Low Toxicity	IEC 60754
低温 -25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max. Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail		
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper		
耐火层 Fier Resistant Layer	云母带 Mica/Glass tape		
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360		
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable		
内衬层或内护套 Inner Covering or Inner Sheath	热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360 热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360		
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid 镀锌钢丝编织 Galvanized steel wire braid		
外护套 Outer Sheath	热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360 热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360		
线芯标识 Core Identification	线芯芯数 No. of cores	无接地线 Without earth core	有接地线 With earth core
	单芯 Single core	白色 White	
	两芯 Double cores	蓝色 Blue,棕色Brown	
	三芯 Three cores	黑色Black, 棕色Brown, 灰色Grey	蓝色Blue, 棕色Brown, 黄/绿Yellow/Green
	四芯 Four cores	蓝色Blue,棕色Brown, 黑色Black, 灰色Grey,	黑色Black, 棕色Brown, 灰色Grey,黄/绿Yellow/Green
五芯及以上 5 cores and above	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing 黄/绿Yellow/Green	
注: 1.字母“G”标示该电缆有一根接地线芯。 2.若客户特殊要求,其他标识方法亦可采用。 Note: 1.The letter “G”means that cable has the ground core 2.The other color scheme may be applicable when purchaser required.			

交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆

交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆

交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆

交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆

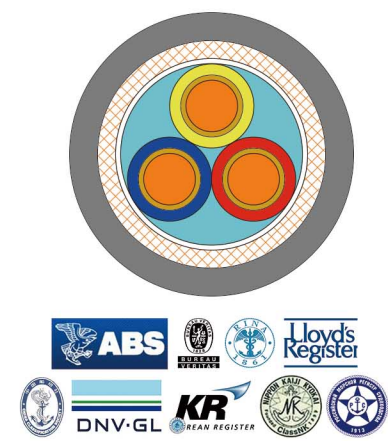
船用中压电力电缆

船用变频电缆

技术资料

No.×mm ²	Diameter		Approx. Weight				Conductor resistance at 20 °C	Insulation resistance at 20 °C
	Nominal	Tolerance	CJV82/NA	CJV92/NA	CJPF86/NC CJPJ85/NC	CJPF96/NC CJPJ95/NC		
4×1	13.0	0.8	233	228	235	230	18.2	960
4×1.5	13.7	0.8	265	260	268	262	12.2	870
4×2.5	14.7	0.8	329	323	332	326	7.56	720
4×4	16.7	0.9	451	441	455	444	4.7	630
4×6	18.0	0.9	562	551	566	555	3.11	540
4×10	20.3	1.0	781	768	786	772	1.84	420
4×16	23.0	1.1	1046	1031	1051	1036	1.16	360
4×25	27.1	1.3	1535	1517	1542	1524	0.734	390
4×35	30.2	1.4	1982	1961	1990	1969	0.529	330
4×50	34.7	1.5	2635	2610	2645	2620	0.391	300
4×70	39.7	1.7	3610	3583	3623	3595	0.27	300
4×95	44.9	1.8	4805	4763	4820	4778	0.195	240
4×120	49.8	2.0	6005	5958	6023	5977	0.154	240
4×150	54.8	2.2	7259	7207	7280	7228	0.126	270
4×185	61.1	2.4	9007	8949	9033	8975	0.1	270
4×240	68.1	2.6	11499	11433	11529	11463	0.0762	240
4×300	74.8	2.8	14102	14030	14137	14065	0.0607	240
5×1	13.9	0.8	256	250	258	253	18.2	960
7×1	14.8	0.8	301	295	304	298	18.2	960
10×1	18.7	1.0	453	442	457	446	18.2	960
12×1	19.2	1.0	496	484	500	488	18.2	960
14×1	20.0	1.0	545	533	550	537	18.2	960
16×1	20.9	1.0	597	584	602	588	18.2	960
19×1	22.0	1.1	671	656	676	661	18.2	960
24×1	25.4	1.2	837	820	843	826	18.2	960
27×1	25.9	1.2	896	878	902	885	18.2	960
30×1	26.7	1.2	963	945	970	952	18.2	960
37×1	28.7	1.3	1127	1107	1134	1115	18.2	960
5×1.5	14.7	0.8	296	290	299	293	12.2	870
7×1.5	16.3	0.9	390	381	394	384	12.2	870
10×1.5	19.9	1.0	529	516	534	521	12.2	870
12×1.5	20.4	1.0	582	569	587	573	12.2	870
14×1.5	21.5	1.1	655	641	660	646	12.2	870
16×1.5	22.5	1.1	721	706	726	712	12.2	870
19×1.5	23.6	1.1	810	794	816	800	12.2	870
24×1.5	27.4	1.3	1014	996	1021	1002	12.2	870
27×1.5	27.9	1.3	1089	1070	1096	1077	12.2	870
30×1.5	28.8	1.3	1174	1154	1182	1162	12.2	870
37×1.5	31.0	1.4	1381	1359	1389	1368	12.2	870
5×2.5	16.4	0.9	405	395	408	398	7.56	720
7×2.5	17.5	0.9	487	476	491	480	7.56	720
10×2.5	21.7	1.1	677	663	682	667	7.56	720
12×2.5	22.3	1.1	753	738	758	743	7.56	720
14×2.5	23.4	1.1	849	833	855	839	7.56	720
16×2.5	24.7	1.2	952	936	958	941	7.56	720
19×2.5	25.8	1.2	1064	1046	1070	1053	7.56	720
24×2.5	30.0	1.3	1333	1312	1341	1320	7.56	720
27×2.5	30.6	1.4	1442	1420	1450	1428	7.56	720
30×2.5	31.6	1.4	1562	1540	1571	1548	7.56	720
37×2.5	34.4	1.5	1881	1857	1892	1867	7.56	720

XLPE INSULATED, FIRE RESISTANT & FLAME RETARDANT, LOW VOLTAGE POWER & CONTROL CABLES
交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆



电缆型号 CABLE DESIGNATION

0.6/1kV CJ86/NC,CJ85/NC

参照标准 APPLICATION STANDARD

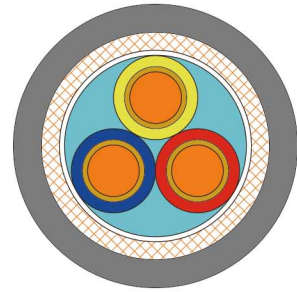
设计 Design Guide	IEC 60092-350&IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,SHF1,SHF2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
耐火 Fire Resistant	IEC 60331
无卤 Halogen Free	IEC 60754
低烟 Low Smoke	IEC 61034
低毒 Low Toxicity	IEC 60754
低温-25°C Low temperature -25°C	IEC 60092-350
最大额定导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail		
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper		
耐火层 Fire Resistant Layer	云母带 Mica/Glass tape		
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360		
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable		
内衬层 Inner Covering	无卤隔氧带 Halogen free tape		
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid		
外护套 Outer Sheath	热固性低烟无卤交联聚乙烯 SHF2 as per IEC 60092-360 热塑性低烟无卤交联聚乙烯 SHF1 as per IEC 60092-360		
线芯标识 Core Identification	线芯芯数 No. of cores	无接地线 Without earth core	有接地线 With earth core
	单芯 Single core	白色 White	
	两芯 Double cores	蓝色 Blue,棕色Brown	
	三芯 Three cores	黑色Black, 棕色Brown, 灰色Grey	蓝色Blue, 棕色Brown, 黄/绿Yellow/Green
	四芯 Four cores	蓝色Blue,棕色Brown, 黑色Black, 灰色Grey,	黑色Black, 棕色Brown, 灰色Grey,黄/绿Yellow/Green
五芯及以上 5 cores and above	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing 黄/绿Yellow/Green	
注: 1.字母“G”标示该电缆有一根接地线芯。 2.若客户特殊要求,其他标识方法亦可采用。 Note: 1.The letter “G”means that cable has the ground core 2.The other color scheme may be applicable when purchaser required.			

交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆
交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆
交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆
交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆
船用中压电力电缆
船用变频电缆
技术资料

XLPE INSULATED, FIRE RESISTANT & FLAME RETARDANT, LOW VOLTAGE POWER & CONTROL CABLES
交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆



电缆型号 CABLE DESIGNATION

0.6/1kV CJ82/NA

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360, XLPE
护套材料 Sheath Material	IEC 60092-360, ST2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
耐火 Fire Resistant	IEC 60331
低温 -25°C Low temperature -25°C	IEC 60092-350
最大额定导体运行温度 Max. Rated Conductor Temperature: 90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail		
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper		
耐火层 Fier Resistant Layer	云母带 Mica/Glass tape		
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360		
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable		
内衬层 Inner Covering	聚氯乙烯带 PVC tape		
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid		
外护套 Outer Sheath	聚氯乙烯 ST2 as per IEC 60092-360		
线芯标识 Core Identification	线芯芯数 No. of cores	无接地线 Without earth core	有接地线 With earth core
	单芯 Single core	白色 White	
	两芯 Double cores	蓝色 Blue, 棕色 Brown	
	三芯 Three cores	黑色 Black, 棕色 Brown, 灰色 Grey	蓝色 Blue, 棕色 Brown, 黄/绿 Yellow/Green
	四芯 Four cores	蓝色 Blue, 棕色 Brown, 黑色 Black, 灰色 Grey.	黑色 Black, 棕色 Brown, 灰色 Grey, 黄/绿 Yellow/Green
	五芯及以上 5 cores and above	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing
注: 1.字母“G”标示该电缆有一根接地线芯。 2.若客户特殊要求,其他标识方法亦可采用。 Note: 1.The letter “G” means that cable has the ground core 2.The other color scheme may be applicable when purchaser required.			

No. × mm ²	Diameter		Approx. Weight		Conductor resistance at 20 °C Ω /km	Insulation resistance at 20 °C MΩ *km
	Nominal	Tolerance	CJ82/NA	CJ86/NC CJ85/NC		
	mm	±mm	kg/km			
1×1	6.0	0.7	64	65	18.2	960
1×1.5	6.3	0.7	72	73	12.2	870
1×2.5	6.7	0.7	87	88	7.56	720
1×4	7.3	0.7	108	109	4.7	630
1×6	8.0	0.7	138	139	3.11	540
1×10	8.9	0.7	187	188	1.84	420
1×16	9.9	0.7	245	247	1.16	360
1×25	11.7	0.7	360	361	0.734	390
1×35	12.8	0.8	458	460	0.529	330
1×50	15.0	0.8	636	639	0.391	300
1×70	17.1	0.9	863	866	0.27	300
1×95	19.0	1.0	1119	1123	0.195	240
1×120	20.9	1.0	1388	1392	0.154	240
1×150	23.0	1.1	1679	1684	0.126	270
1×185	25.3	1.2	2054	2059	0.1	270
1×240	28.2	1.3	2632	2638	0.0762	240
1×300	31.0	1.4	3235	3242	0.0607	240
2×1	9.6	0.7	132	133	18.2	960
2×1.5	10.2	0.7	146	148	12.2	870
2×2.5	11.2	0.7	186	189	7.56	720
2×4	12.4	0.8	232	235	4.7	630
2×6	13.4	0.8	290	293	3.11	540
2×10	15.8	0.9	441	446	1.84	420
2×16	18.0	0.9	603	606	1.16	360
2×25	21.4	1.1	870	874	0.734	390
2×35	23.8	1.1	1110	1114	0.529	330
2×50	27.2	1.3	1451	1456	0.391	300
2×70	31.4	1.4	1984	1991	0.27	300
2×95	35.4	1.5	2590	2598	0.195	240
2×120	39.4	1.7	3277	3286	0.154	240
2×150	43.6	1.8	3980	3991	0.126	270
2×185	48.4	2.0	4892	4904	0.1	270
2×240	54.2	2.2	6244	6260	0.0762	240
2×300	59.8	2.3	7659	7677	0.0607	240
3×1	10.1	0.7	155	156	18.2	960
3×1.5	10.7	0.7	178	179	12.2	870
3×2.5	11.8	0.7	223	226	7.56	720
3×4	13.1	0.8	289	293	4.7	630
3×6	14.8	0.8	403	407	3.11	540
3×10	16.9	0.9	566	571	1.84	420
3×16	19.1	1.0	766	769	1.16	360
3×25	22.9	1.1	1135	1139	0.734	390
3×35	25.5	1.2	1468	1473	0.529	330
3×50	29.2	1.3	1932	1938	0.391	300
3×70	33.5	1.5	2643	2649	0.27	300
3×95	38.4	1.6	3582	3591	0.195	240
3×120	42.3	1.8	4443	4454	0.154	240
3×150	46.8	1.9	5382	5394	0.126	270
3×185	52.1	2.1	6672	6687	0.1	270
3×240	58.4	2.3	8561	8579	0.0762	240
3×300	64.4	2.5	10539	10560	0.0607	240

交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆

交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆

交联聚乙烯绝缘阻燃及耐火通信及仪表电缆

交联聚乙烯绝缘阻燃及耐火通信及仪表电缆

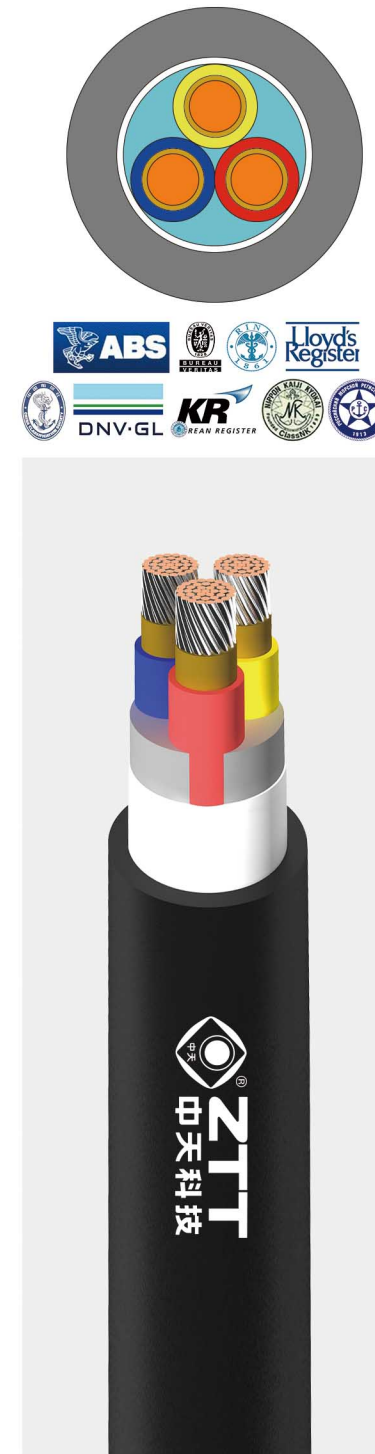
船用中压电力电缆

船用变频电缆

技术资料

No.×mm ²	Diameter		Approx. Weight		Conductor resistance at 20°C	Insulation resistance at 20°C
	Nominal	Tolerance	CJ82/NA	CJ86/NC CJ85/NC		
	mm	±mm	kg/km			
4×1	11.1	0.7	181	184	18.2	960
4×1.5	11.8	0.7	212	215	12.2	870
4×2.5	12.8	0.8	272	276	7.56	720
4×4	14.8	0.8	385	389	4.70	630
4×6	16.1	0.9	492	496	3.11	540
4×10	18.4	1.0	700	706	1.84	420
4×16	21.1	1.1	964	967	1.16	360
4×25	25.1	1.2	1428	1432	0.734	390
4×35	28.2	1.3	1863	1869	0.529	330
4×50	32.3	1.4	2467	2474	0.391	300
4×70	37.3	1.6	3420	3429	0.270	300
4×95	42.5	1.8	4593	4603	0.195	240
4×120	47.0	1.9	5726	5738	0.154	240
4×150	52.0	2.1	6955	6970	0.126	270
4×185	57.9	2.3	8614	8631	0.100	270
4×240	64.9	2.5	11064	11085	0.0762	240
4×300	71.6	2.7	13628	13653	0.0607	240
5×1	12.0	0.7	206	208	18.2	960
7×1	12.9	0.8	245	249	18.2	960
10×1	16.8	0.9	380	385	18.2	960
12×1	17.3	0.9	425	431	18.2	960
14×1	18.1	1.0	467	473	18.2	960
16×1	19.0	1.0	523	526	18.2	960
19×1	20.1	1.0	593	596	18.2	960
24×1	23.4	1.1	729	738	18.2	960
27×1	23.9	1.1	793	797	18.2	960
30×1	24.7	1.2	851	860	18.2	960
37×1	26.7	1.2	1014	1019	18.2	960
5×1.5	12.8	0.8	238	242	12.2	870
7×1.5	14.4	0.8	328	332	12.2	870
10×1.5	18.0	0.9	447	453	12.2	870
12×1.5	18.5	1.0	499	505	12.2	870
14×1.5	19.6	1.0	566	572	12.2	870
16×1.5	20.6	1.0	634	641	12.2	870
19×1.5	21.6	1.1	709	717	12.2	870
24×1.5	25.4	1.2	890	900	12.2	870
27×1.5	25.9	1.2	970	981	12.2	870
30×1.5	26.8	1.2	1045	1055	12.2	870
37×1.5	29.0	1.3	1255	1268	12.2	870
5×2.5	14.5	0.8	340	344	7.56	720
7×2.5	15.6	0.9	417	421	7.56	720
10×2.5	19.8	1.0	589	596	7.56	720
12×2.5	20.4	1.0	663	670	7.56	720
14×2.5	21.4	1.1	745	752	7.56	720
16×2.5	22.7	1.1	842	851	7.56	720
19×2.5	23.8	1.1	950	959	7.56	720
24×2.5	28.0	1.3	1215	1221	7.56	720
27×2.5	28.6	1.3	1321	1327	7.56	720
30×2.5	29.6	1.3	1438	1444	7.56	720
37×2.5	32.0	1.4	1715	1722	7.56	720

XLPE INSULATED, FIRE RESISTANT & FLAME RETARDANT, LOW VOLTAGE POWER & CONTROL CABLES
交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆



电缆型号 CABLE DESIGNATION

0.6/1kV CJPF/NC,CJPJ/NC

参照标准 APPLICATION STANDARD

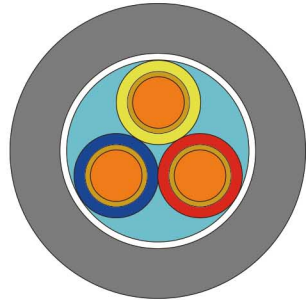
设计 Design Guide	IEC 60092-350&IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360, XLPE
护套材料 Sheath Material	IEC 60092-360, SHF1, SHF2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
耐火 Fire Resistant	IEC 60331
无卤 Halogen Free	IEC 60754
低烟 Low Smoke	IEC 61034
低毒 Low Toxicity	IEC 60754
低温 -25°C Low temperature -25°C	IEC 60092-350
最大额定导体运行温度 Max. Rated Conductor Temperature: 90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail		
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper		
耐火层 Fier Resistant Layer	云母带 Mica/Glass tape		
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360		
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable		
护套 Sheath	热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360 热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360		
线芯标识 Core Identification	线芯芯数 No. of cores	无接地线 Without earth core	有接地线 With earth core
	单芯 Single core	白色 White	
	两芯 Double cores	蓝色 Blue, 棕色 Brown	
	三芯 Three cores	黑色 Black, 棕色 Brown, 灰色 Grey	蓝色 Blue, 棕色 Brown, 黄/绿 Yellow/Green
	四芯 Four cores	蓝色 Blue, 棕色 Brown, 灰色 Grey, 黑色 Black, 灰色 Grey.	黑色 Black, 棕色 Brown, 灰色 Grey, 黄/绿 Yellow/Green
五芯及以上 5 cores and above	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing 黄/绿 Yellow/Green	
注: 1.字母“G”标示该电缆有一根接地线芯。 2.若客户特殊要求,其他标识方法亦可采用。 Note: 1.The letter “G” means that cable has the ground core 2.The other color scheme may be applicable when purchaser required.			

交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆
 交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆
 交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆
 交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆
 船用中压电力电缆
 船用变频电缆
 技术资料

XLPE INSULATED, FIRE RESISTANT & FLAME RETARDANT, LOW VOLTAGE POWER & CONTROL CABLES
交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆



电缆型号 CABLE DESIGNATION

0.6/1kV CJV/NA

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,ST2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
耐火 Fire Resistant	IEC 60331
低温 -25°C Low temperature -25°C	IEC 60092-350
最大额定导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail		
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper		
耐火层 Fier Resistant Layer	云母带 Mica/Glass tape		
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360		
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable		
护套 Sheath	聚氯乙烯 ST2 as per IEC 60092-360		
线芯标识 Core Identification	线芯芯数 No. of cores	无接地线 Without earth core	有接地线 With earth core
	单芯 Single core	白色 White	
	两芯 Double cores	蓝色 Blue,棕色Brown	
	三芯 Three cores	黑色Black, 棕色Brown, 灰色Grey	蓝色Blue, 棕色Brown, 黄/绿Yellow/Green
	四芯 Four cores	蓝色Blue,棕色Brown, 黑色Black, 灰色Grey,	黑色Black, 棕色Brown, 灰色Grey,黄/绿Yellow/Green
	五芯及以上 5 cores and above	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing	白色绝缘打印黑色阿拉伯数字 White insulation with black Arabic number printing 黄/绿Yellow/Green
注: 1.字母“G”标示该电缆有一根接地线芯。 2.若客户特殊要求,其他标识方法亦可采用。 Note: 1.The letter “G”means that cable has the ground core 2.The other color scheme may be applicable when purchaser required.			

No.×mm ²	Diameter		Approx.Weight		Conductor resistance at 20°C	Insulation resistance at 20°C
	Nominal	Tolerance	CJV/NA	CJPF/NC CJPJ/NC		
	mm	±mm	kg/km		Ω/km	MΩ*km
1×1	5.2	0.7	38	38	18.2	960
1×1.5	5.5	0.7	44	45	12.2	870
1×2.5	5.9	0.7	57	57	7.56	720
1×4	6.5	0.7	75	76	4.70	630
1×6	7.0	0.7	98	98	3.11	540
1×10	7.9	0.7	142	143	1.84	420
1×16	9.1	0.7	199	200	1.16	360
1×25	10.7	0.7	299	300	0.734	390
1×35	12.0	0.7	396	397	0.529	330
1×50	13.6	0.8	526	527	0.391	300
1×70	15.7	0.9	737	739	0.270	300
1×95	17.6	0.9	978	981	0.195	240
1×120	19.5	1.0	1231	1234	0.154	240
1×150	21.6	1.1	1504	1507	0.126	270
1×185	24.1	1.2	1874	1877	0.100	270
1×240	27.0	1.2	2430	2434	0.0762	240
1×300	29.6	1.3	2997	3002	0.0607	240
2×1	8.5	0.7	85	86	18.2	960
2×1.5	9.3	0.7	104	107	12.2	870
2×2.5	10.1	0.7	136	138	7.56	720
2×4	11.3	0.7	175	178	4.70	630
2×6	12.5	0.8	234	237	3.11	540
2×10	14.3	0.8	336	340	1.84	420
2×16	16.5	0.9	474	476	1.16	360
2×25	19.9	1.0	714	717	0.734	390
2×35	22.3	1.1	935	938	0.529	330
2×50	25.7	1.2	1249	1254	0.391	300
2×70	29.9	1.3	1752	1758	0.270	300
2×95	33.9	1.5	2329	2336	0.195	240
2×120	37.5	1.6	2903	2911	0.154	240
2×150	41.7	1.7	3564	3574	0.126	270
2×185	46.5	1.9	4432	4443	0.100	270
2×240	52.3	2.1	5724	5738	0.0762	240
2×300	57.9	2.3	7087	7104	0.0607	240
3×1	9.2	0.7	109	110	18.2	960
3×1.5	9.8	0.7	129	130	12.2	870
3×2.5	10.7	0.7	170	171	7.56	720
3×4	12.2	0.8	235	237	4.70	630
3×6	13.3	0.8	303	305	3.11	540
3×10	15.4	0.9	453	458	1.84	420
3×16	17.6	0.9	628	630	1.16	360
3×25	21.4	1.1	967	971	0.734	390
3×35	24.0	1.1	1280	1284	0.529	330
3×50	27.7	1.3	1714	1719	0.391	300
3×70	32.0	1.4	2394	2400	0.270	300
3×95	36.5	1.6	3219	3226	0.195	240
3×120	40.4	1.7	4041	4051	0.154	240
3×150	44.9	1.8	4934	4945	0.126	270
3×185	50.0	2.0	6145	6158	0.100	270
3×240	56.3	2.2	7970	7986	0.0762	240
3×300	62.3	2.4	9889	9908	0.0607	240

交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆

交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆

交联聚乙烯绝缘阻燃及耐火通信及仪表电缆

交联聚乙烯绝缘阻燃及耐火通信及仪表电缆

船用中压电力电缆

船用变频电缆

技术资料

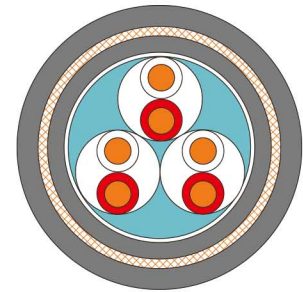
No.×mm ²	Diameter		Approx. Weight		Conductor resistance at 20 C Ω/km	Insulation resistance at 20 C MΩ*km
	Nominal	Tolerance	CJV/NA	CJPF/NC CJPI/NC		
	mm	±mm	kg/km			
4×1	10.0	0.7	131	132	18.2	960
4×1.5	10.7	0.7	156	158	12.2	870
4×2.5	11.7	0.7	210	211	7.56	720
4×4	13.3	0.8	288	289	4.70	630
4×6	14.6	0.8	383	385	3.11	540
4×10	16.9	0.9	576	578	1.84	420
4×16	19.6	1.0	811	814	1.16	360
4×25	23.8	1.1	1256	1260	0.734	390
4×35	26.7	1.2	1654	1659	0.529	330
4×50	30.8	1.4	2225	2231	0.391	300
4×70	35.8	1.5	3143	3151	0.270	300
4×95	40.6	1.7	4190	4199	0.195	240
4×120	45.1	1.9	5278	5289	0.154	240
4×150	49.9	2.0	6425	6438	0.126	270
4×185	55.8	2.2	8027	8042	0.100	270
4×240	63.0	2.4	10440	10460	0.0762	240
4×300	69.7	2.7	12942	12965	0.0607	240
5×1	10.9	0.7	146	147	18.2	960
7×1	11.8	0.7	182	183	18.2	960
10×1	15.3	0.9	267	269	18.2	960
12×1	15.8	0.9	303	305	18.2	960
14×1	16.6	0.9	344	346	18.2	960
16×1	17.5	0.9	385	388	18.2	960
19×1	18.6	1.0	447	449	18.2	960
24×1	21.9	1.1	565	568	18.2	960
27×1	22.4	1.1	618	621	18.2	960
30×1	23.2	1.1	675	679	18.2	960
37×1	25.2	1.2	816	820	18.2	960
5×1.5	11.7	0.7	178	179	12.2	870
7×1.5	12.9	0.8	231	233	12.2	870
10×1.5	16.5	0.9	325	330	12.2	870
12×1.5	17.0	0.9	373	378	12.2	870
14×1.5	18.1	1.0	433	439	12.2	870
16×1.5	19.1	1.0	491	494	12.2	870
19×1.5	20.1	1.0	557	560	12.2	870
24×1.5	23.9	1.1	718	722	12.2	870
27×1.5	24.4	1.2	787	791	12.2	870
30×1.5	25.3	1.2	861	865	12.2	870
37×1.5	27.5	1.3	1043	1047	12.2	870
5×2.5	13.0	0.8	244	246	7.56	720
7×2.5	14.1	0.8	313	315	7.56	720
10×2.5	18.3	1.0	455	457	7.56	720
12×2.5	18.9	1.0	523	526	7.56	720
14×2.5	19.9	1.0	598	601	7.56	720
16×2.5	21.2	1.1	687	690	7.56	720
19×2.5	22.3	1.1	785	788	7.56	720
24×2.5	26.5	1.2	1006	1010	7.56	720
27×2.5	27.1	1.3	1107	1112	7.56	720
30×2.5	28.1	1.3	1215	1221	7.56	720
37×2.5	30.5	1.4	1474	1480	7.56	720

XLPE INSULATED, FLAME RETARDANT COMMUNICATION & INSTRUMENTATION CABLES

交联聚乙烯绝缘阻燃通信及仪表电缆



XLPE INSULATED, FLAME RETARDANT, COMMUNICATION & INSTRUMENTATION CABLES
交联聚乙烯绝缘阻燃通信及仪表电缆



电缆型号 CABLE DESIGNATION

150/250V CHJPF86/SC, CHJPJ85/SC

参照标准 APPLICATION STANDARD

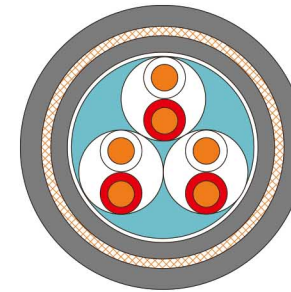
设计 Design Guide	IEC 60092-350&IEC 60092-376
绝缘材料 Insulation Material	IEC 60092-360, XLPE
护套材料 Sheath Material	IEC 60092-360, SHF1, SHF2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
无卤 Halogen Free	IEC 60754
低烟 Low Smoke	IEC 61034
低毒 Low Toxicity	IEC 60754
低温 -25°C Low temperature -25°C	IEC 60092-350
最大额定导体运行温度 Max. Rated Conductor Temperature: 90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360
对绞 Twisting	2个或3个绝缘线芯对绞 Two/ three insulated cores shall be twisted together to form a pair / triad
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable
内衬层或内护套 Inner Covering or Inner Sheath	热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360 热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid
外护套 Outer Sheath	热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360 热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360
线芯标识 Core Identification	有色绝缘加黑色阿拉伯数字。 Colored insulation with arabic number printing on the insulation 2线组Pair: 白White, 红Red 3线组Triad: 白White, 红Red, 蓝Blue 注: 若客户特殊要求, 其他标识方法亦可采用。 Note: The other color scheme may be applicable when purchaser required.



XLPE INSULATED, FLAME RETARDANT, COMMUNICATION & INSTRUMENTATION CABLES
交联聚乙烯绝缘阻燃通信及仪表电缆



电缆型号 CABLE DESIGNATION

150/250V CHJV82/SA

参照标准 APPLICATION STANDARD

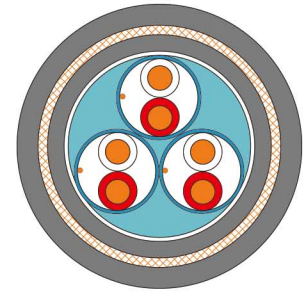
设计 Design Guide	IEC 60092-350&IEC 60092-376
绝缘材料 Insulation Material	IEC 60092-360, XLPE
护套材料 Sheath Material	IEC 60092-360, ST2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
低温 -25°C Low temperature -25°C	IEC 60092-350
最大额定导体运行温度 Max. Rated Conductor Temperature: 90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360
对绞 Twisting	2个或3个绝缘线芯对绞 Two/ three insulated cores shall be twisted together to form a pair / triad
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable
内衬层或内护套 Inner Covering or Inner Sheath	聚氯乙烯 ST2 as per IEC 60092-360
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid
外护套 Outer Sheath	聚氯乙烯 ST2 as per IEC 60092-360
线芯标识 Core Identification	有色绝缘加黑色阿拉伯数字。 Colored insulation with arabic number printing on the insulation 2线组Pair: 白White, 红Red 3线组Triad: 白White, 红Red, 蓝Blue 注: 若客户特殊要求, 其他标识方法亦可采用。 Note: The other color scheme may be applicable when purchaser required.



XLPE INSULATED,FLAME RETARDANT,COMMUNICATION & INSTRUMENTATION CABLES
交联聚乙烯绝缘阻燃通信及仪表电缆



电缆型号 CABLE DESIGNATION

150/250V CHJFPF86/SC,CHJJP85/SC

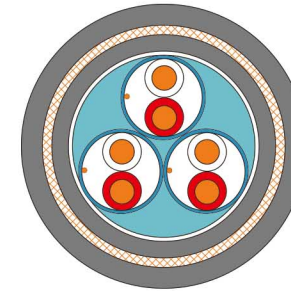
参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-376
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,SHF1,SHF2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
无卤 Halogen Free	IEC 60754
低烟 Low Smoke	IEC 61034
低毒 Low Toxicity	IEC 60754
低温-25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360
对绞 Twisting	2个或3个绝缘线芯对绞 Two/ three insulated cores shall be twisted together to form a pair / trial
分屏蔽 Individual Screen	铝塑复合带+镀锡引流线 AL/PS Tape with a drain wire
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable
内衬层或内护套 Inner Covering or InnerSheath	热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360 热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid
外护套 Outer Sheath	热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360 热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360
线芯标识 Core Identification	有色绝缘加黑色阿拉伯数字。 Colored insulation with arabic number printing on the insulation 2线组Pair: 白White,红Red 3线组Triad: 白White,红Red,蓝Blue 注: 若客户特殊要求,其他标识方法亦可采用。 Note:The other color scheme may be applicable when purchaser required.

XLPE INSULATED,FLAME RETARDANT,COMMUNICATION & INSTRUMENTATION CABLES
交联聚乙烯绝缘阻燃通信及仪表电缆



电缆型号 CABLE DESIGNATION

150/250V CHJVP82/SA

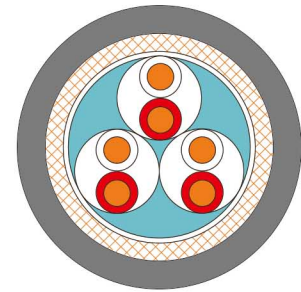
参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-376
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,ST2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
低温-25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360
对绞 Twisting	2个或3个绝缘线芯对绞 Two/ three insulated cores shall be twisted together to form a pair / trial
分屏蔽 Individual Screen	铝塑复合带+镀锡引流线 AL/PS Tape with a drain wire
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable
内衬层或内护套 Inner Covering or InnerSheath	聚氯乙烯 ST2 as per IEC 60092-360
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid
外护套 Outer Sheath	聚氯乙烯 ST2 as per IEC 60092-360
线芯标识 Core Identification	有色绝缘加黑色阿拉伯数字。 Colored insulation with arabic number printing on the insulation 2线组Pair: 白White,红Red 3线组Triad: 白White,红Red,蓝Blue 注: 若客户特殊要求,其他标识方法亦可采用。 Note:The other color scheme may be applicable when purchaser required.

XLPE INSULATED,FLAME RETARDANT,COMMUNICATION & INSTRUMENTATION CABLES
交联聚乙烯绝缘阻燃通信及仪表电缆



电缆型号 CABLE DESIGNATION

150/250V CHJ86/SC,CHJ85/SC

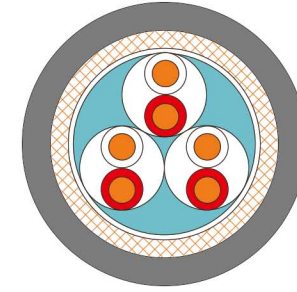
参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-376
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,SHF1,SHF2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
无卤 Halogen Free	IEC 60754
低烟 Low Smoke	IEC 61034
低毒 Low Toxicity	IEC 60754
低温-25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360
对绞 Twisting	2个或3个绝缘线芯对绞 Two/ three insulated cores shall be twisted together to form a pair / trial
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable
内衬层 Inner Covering	无卤隔氧带 Halogen free tape
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid
外护套 Outer Sheath	热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360 热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360
线芯标识 Core Identification	有色绝缘加黑色阿拉伯数字。 Colored insulation with arabic number printing on the insulation 2线组Pair: 白White,红Red 3线组Triad: 白White,红Red,蓝Blue 注:若客户特殊要求,其他标识方法亦可采用。 Note:The other color scheme may be applicable when purchaser required.

XLPE INSULATED,FLAME RETARDANT,COMMUNICATION & INSTRUMENTATION CABLES
交联聚乙烯绝缘阻燃通信及仪表电缆



电缆型号 CABLE DESIGNATION

150/250V CHJ82/SA

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-376
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,ST2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
低温-25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360
对绞 Twisting	2个或3个绝缘线芯对绞 Two/ three insulated cores shall be twisted together to form a pair / trial
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable
内衬层 Inner Covering	聚氯乙烯带 PVC tape
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid
外护套 Outer Sheath	聚氯乙烯 ST2 as per IEC 60092-360
线芯标识 Core Identification	有色绝缘加黑色阿拉伯数字。 Colored insulation with arabic number printing on the insulation 2线组Pair: 白White,红Red 3线组Triad: 白White,红Red,蓝Blue 注:若客户特殊要求,其他标识方法亦可采用。 Note:The other color scheme may be applicable when purchaser required.

交联聚乙烯绝缘阻燃通信及仪表电缆

交联聚乙烯绝缘阻燃及耐火低压电力及控制电缆

交联聚乙烯绝缘阻燃通信及仪表电缆

交联聚乙烯绝缘阻燃及耐火通信仪表电缆

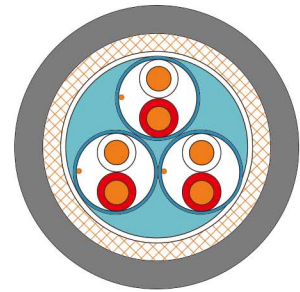
船用中压电力电缆

船用变频电缆

技术资料



XLPE INSULATED, FLAME RETARDANT, COMMUNICATION & INSTRUMENTATION CABLES
交联聚乙烯绝缘阻燃通信及仪表电缆



电缆型号 CABLE DESIGNATION

150/250V CHJP86/SC, CHJP85/SC

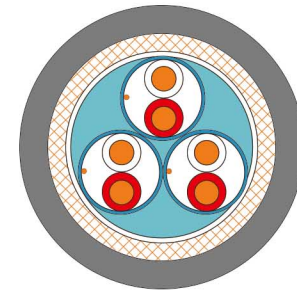
参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-376
绝缘材料 Insulation Material	IEC 60092-360, XLPE
护套材料 Sheath Material	IEC 60092-360, SHF1, SHF2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
无卤 Halogen Free	IEC 60754
低烟 Low Smoke	IEC 61034
低毒 Low Toxicity	IEC 60754
低温 -25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max. Rated Conductor Temperature: 90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360
对绞 Twisting	2个或3个绝缘线芯对绞 Two/ three insulated cores shall be twisted together to form a pair / triad
分屏蔽 Individual Screen	铝塑复合带+镀锡引流线 AL/PS Tape with a drain wire
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable
内衬层 Inner Covering	无卤隔氧带 Halogen free tape
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid
外护套 Outer Sheath	热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360 热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360
线芯标识 Core Identification	有色绝缘加黑色阿拉伯数字。 Colored insulation with arabic number printing on the insulation 2线组Pair: 白White, 红Red 3线组Triad: 白White, 红Red, 蓝Blue 注: 若客户特殊要求, 其他标识方法亦可采用。 Note: The other color scheme may be applicable when purchaser required.

XLPE INSULATED, FLAME RETARDANT, COMMUNICATION & INSTRUMENTATION CABLES
交联聚乙烯绝缘阻燃通信及仪表电缆



电缆型号 CABLE DESIGNATION

150/250V CHJP82/SA

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-376
绝缘材料 Insulation Material	IEC 60092-360, XLPE
护套材料 Sheath Material	IEC 60092-360, ST2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
低温 -25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max. Rated Conductor Temperature: 90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360
对绞 Twisting	2个或3个绝缘线芯对绞 Two/ three insulated cores shall be twisted together to form a pair / triad
分屏蔽 Individual Screen	铝塑复合带+镀锡引流线 AL/PS Tape with a drain wire
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable
内衬层 Inner Covering	聚氯乙烯带 PVC tape
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid
外护套 Outer Sheath	聚氯乙烯 ST2 as per IEC 60092-360
线芯标识 Core Identification	有色绝缘加黑色阿拉伯数字。 Colored insulation with arabic number printing on the insulation 2线组Pair: 白White, 红Red 3线组Triad: 白White, 红Red, 蓝Blue 注: 若客户特殊要求, 其他标识方法亦可采用。 Note: The other color scheme may be applicable when purchaser required.

No.×mm ²	Diameter		Approx.Weight		Conductor resistance at 20°C Ω/km	Insulation resistance at 20°C MΩ*km
	Nominal	Tolerance	CHJP82/SA	CHJP86/SC CHJP85/SC		
	mm	±mm	kg/km			
1×2×0.5	7.1	0.8	74	75	36.7	1200
1×3×0.5	7.4	0.8	86	87	36.7	1200
1×4×0.5	7.9	0.8	98	99	36.7	1200
2×2×0.5	10.8	0.9	139	141	36.7	1200
3×2×0.5	11.4	0.9	165	168	36.7	1200
4×2×0.5	12.2	1.0	200	203	36.7	1200
5×2×0.5	13.3	1.0	225	227	36.7	1200
7×2×0.5	14.3	1.1	276	278	36.7	1200
10×2×0.5	17.9	1.2	391	396	36.7	1200
12×2×0.5	18.5	1.3	438	443	36.7	1200
14×2×0.5	19.3	1.3	488	493	36.7	1200
16×2×0.5	20.4	1.4	542	546	36.7	1200
19×2×0.5	21.6	1.4	625	630	36.7	1200
24×2×0.5	25.4	1.6	783	790	36.7	1200
27×2×0.5	25.9	1.6	850	857	36.7	1200
30×2×0.5	27.0	1.7	936	944	36.7	1200
33×2×0.5	28.0	1.7	1010	1018	36.7	1200
37×2×0.5	29.1	1.8	1104	1113	36.7	1200
1×2×0.75	7.5	0.8	85	87	24.8	1020
1×3×0.75	7.8	0.8	100	101	24.8	1020
1×4×0.75	8.4	0.8	116	118	24.8	1020
2×2×0.75	11.6	0.9	174	176	24.8	1020
3×2×0.75	12.2	1.0	200	203	24.8	1020
4×2×0.75	13.1	1.0	242	246	24.8	1020
5×2×0.75	14.2	1.1	271	274	24.8	1020
7×2×0.75	15.6	1.1	346	350	24.8	1020
10×2×0.75	19.3	1.3	480	485	24.8	1020
12×2×0.75	19.9	1.3	542	547	24.8	1020
14×2×0.75	21.1	1.4	619	625	24.8	1020
16×2×0.75	22.2	1.5	688	693	24.8	1020
19×2×0.75	23.6	1.5	796	803	24.8	1020
24×2×0.75	27.6	1.7	997	1005	24.8	1020
27×2×0.75	28.2	1.8	1087	1095	24.8	1020
30×2×0.75	29.4	1.8	1197	1206	24.8	1020
33×2×0.75	30.9	1.9	1359	1369	24.8	1020
37×2×0.75	32.3	2.0	1504	1514	24.8	1020

No.×mm ²	Diameter		Approx.Weight		Conductor resistance at 20°C Ω/km	Insulation resistance at 20°C MΩ*km
	Nominal	Tolerance	CHJP82/SA	CHJP86/SC CHJP85/SC		
	mm	±mm	kg/km			
1×2×1	8.7	0.8	112	114	18.2	1170
1×3×1	9.3	0.8	131	133	18.2	1170
1×4×1	10.0	0.8	158	160	18.2	1170
2×2×1	14.0	1.0	240	243	18.2	1170
3×2×1	14.8	1.1	282	285	18.2	1170
4×2×1	15.8	1.1	343	346	18.2	1170
5×2×1	17.3	1.2	371	374	18.2	1170
7×2×1	19.0	1.3	476	481	18.2	1170
10×2×1	23.8	1.5	674	680	18.2	1170
12×2×1	24.6	1.6	762	769	18.2	1170
14×2×1	25.8	1.6	856	863	18.2	1170
16×2×1	27.4	1.7	967	975	18.2	1170
19×2×1	28.9	1.8	1104	1113	18.2	1170
24×2×1	34.6	2.1	1475	1486	18.2	1170
27×2×1	35.5	2.1	1622	1634	18.2	1170
30×2×1	36.8	2.2	1761	1774	18.2	1170
33×2×1	38.4	2.3	1923	1937	18.2	1170
37×2×1	39.9	2.3	2106	2121	18.2	1170
1×2×1.5	9.5	0.8	129	131	12.2	990
1×3×1.5	10.0	0.8	156	158	12.2	990
1×4×1.5	10.8	0.9	189	191	12.2	990
2×2×1.5	15.1	1.1	281	284	12.2	990
3×2×1.5	16.2	1.2	342	345	12.2	990
4×2×1.5	17.1	1.2	407	411	12.2	990
5×2×1.5	18.9	1.3	451	455	12.2	990
7×2×1.5	20.6	1.4	570	575	12.2	990
10×2×1.5	25.9	1.6	808	815	12.2	990
12×2×1.5	26.9	1.7	932	940	12.2	990
14×2×1.5	28.3	1.8	1051	1059	12.2	990
16×2×1.5	30.5	1.9	1251	1260	12.2	990
19×2×1.5	32.3	2.0	1443	1454	12.2	990
24×2×1.5	38.1	2.3	1824	1837	12.2	990
27×2×1.5	38.9	2.3	1987	2001	12.2	990
30×2×1.5	40.3	2.4	2160	2175	12.2	990
33×2×1.5	42.1	2.5	2360	2376	12.2	990
37×2×1.5	43.9	2.5	2611	2628	12.2	990



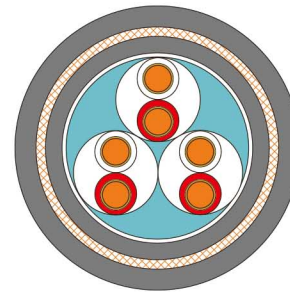
交联聚乙烯绝缘阻燃耐火电力及控制电缆
交联聚乙烯绝缘阻燃耐火电力及控制电缆
交联聚乙烯绝缘阻燃耐火通信及仪表电缆
交联聚乙烯绝缘阻燃耐火通信及仪表电缆
船用中压电力电缆
船用变频电缆
技术资料

XLPE INSTLATED, FIRE RESISTANT & FLAME RETARDANT COMMUNICATION & INSTRUMENTATION CABLES

交联聚乙烯绝缘阻燃及耐火通信仪表电缆



XLPE INSTLATED, FIRE RESISTANT & FLAME RETARDANT, COMMUNICATION & INSTRUMENTATION CABLES 交联聚乙烯绝缘阻燃及耐火通信仪表电缆



电缆型号 CABLE DESIGNATION

150/250V CHJPF86/NC,CHJPJ85/NC

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-376
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,SHF1,SHF2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
耐火 Fire Resistant	IEC 60331
无卤 Halogen Free	IEC 60754
低烟 Low Smoke	IEC 61034
低毒 Low Toxicity	IEC 60754
低温-25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper
耐火层 Fire Resistant Layer	云母带 Mica/Glass tape
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360
对绞 Twisting	2个或3个绝缘线芯对绞 Two/ three insulated cores shall be twisted together to form a pair / trial
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable
内衬层或内护套 Inner Covering or Inner Sheath	热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360 热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid
外护套 Outer Sheath	热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360 热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360
线芯标识 Core Identification	有色绝缘加黑色阿拉伯数字。 Colored insulation with arabic number printing on the insulation 2线组Pair: 白White,红Red 3线组Triad: 白White,红Red,蓝Blue 注:若客户特殊要求,其他标识方法亦可采用。 Note:The other color scheme may be applicable when purchaser required.

交联聚乙烯绝缘阻燃及耐火电力及控制电缆

交联聚乙烯绝缘阻燃及耐火电力及控制电缆

交联聚乙烯绝缘阻燃及耐火通信及仪表电缆

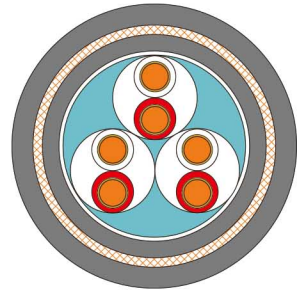
交联聚乙烯绝缘阻燃及耐火通信仪表电缆

船用中压电力电缆

船用变频电缆

技术资料

XLPE INSTLATED, FIRE RESISTANT & FLAME RETARDANT, COMMUNICATION & INSTRUMENTATION CABLES
交联聚乙烯绝缘阻燃及耐火通信仪表电缆



电缆型号 CABLE DESIGNATION

150/250V CHJV82/NA

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-376
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,ST2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
耐火 Fire Resistant	IEC 60331
低温 -25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper
耐火层 Fire Resistant Layer	云母带 Mica/Glass tape
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360
对绞 Twisting	2个或3个绝缘线芯对绞 Two/ three insulated cores shall be twisted together to form a pair / triad
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable
内衬层或内护套 Inner Covering or Inner Sheath	聚氯乙烯 ST2 as per IEC 60092-360
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid
外护套 Outer Sheath	聚氯乙烯 ST2 as per IEC 60092-360
线芯标识 Core Identification	有色绝缘加黑色阿拉伯数字。 Colored insulation with arabic number printing on the insulation 2线组Pair: 白White,红Red 3线组Triad: 白White,红Red,蓝Blue 注: 若客户特殊要求,其他标识方法亦可采用。 Note:The other color scheme may be applicable when purchaser required.



No.×mm ²	Diameter		Approx.Weight		Conductor resistance at 20 C Ω/km	Insulation resistance at 20 C MΩ*km
	Nominal	Tolerance	CHJV82/NA	CHJPF86/NC CHJPI85/NC		
	mm	±mm	kg/km			
1×2×0.5	9.6	0.8	128	131	36.7	900
1×3×0.5	10.2	0.9	147	150	36.7	900
1×4×0.5	10.8	0.9	166	169	36.7	900
2×2×0.5	13.1	1.0	223	227	36.7	900
3×2×0.5	13.7	1.0	247	251	36.7	900
4×2×0.5	14.7	1.1	283	287	36.7	900
5×2×0.5	16.4	1.2	308	344	36.7	900
7×2×0.5	17.6	1.2	364	403	36.7	900
10×2×0.5	21.5	1.4	489	551	36.7	900
12×2×0.5	22.1	1.5	546	599	36.7	900
14×2×0.5	23.0	1.5	597	653	36.7	900
16×2×0.5	24.3	1.6	665	725	36.7	900
19×2×0.5	25.0	1.6	732	794	36.7	900
24×2×0.5	29.1	1.8	904	994	36.7	900
27×2×0.5	29.6	1.8	982	1058	36.7	900
30×2×0.5	30.6	1.9	1119	1133	36.7	900
33×2×0.5	31.9	1.9	1212	1228	36.7	900
37×2×0.5	33.4	2.0	1342	1359	36.7	900
1×2×0.75	10.2	0.9	132	136	24.8	810
1×3×0.75	10.6	0.9	150	154	24.8	810
1×4×0.75	11.2	0.9	186	189	24.8	810
2×2×0.75	13.8	1.0	175	179	24.8	810
3×2×0.75	14.4	1.1	265	271	24.8	810
4×2×0.75	16.1	1.2	332	367	24.8	810
5×2×0.75	17.3	1.2	354	393	24.8	810
7×2×0.75	18.8	1.3	423	476	24.8	810
10×2×0.75	22.8	1.5	584	639	24.8	810
12×2×0.75	23.5	1.5	644	701	24.8	810
14×2×0.75	24.7	1.6	722	782	24.8	810
16×2×0.75	25.9	1.6	791	855	24.8	810
19×2×0.75	26.8	1.7	890	958	24.8	810
24×2×0.75	31.0	1.9	1168	1182	24.8	810
27×2×0.75	31.8	1.9	1268	1283	24.8	810
30×2×0.75	33.2	2.0	1395	1412	24.8	810
33×2×0.75	34.4	2.1	1494	1512	24.8	810
37×2×0.75	35.8	2.1	1636	1654	24.8	810

交联聚乙烯绝缘阻燃及耐火电力及控制电缆

交联聚乙烯绝缘阻燃及耐火电力及控制电缆

交联聚乙烯绝缘阻燃及耐火通信仪表电缆

交联聚乙烯绝缘阻燃及耐火通信仪表电缆

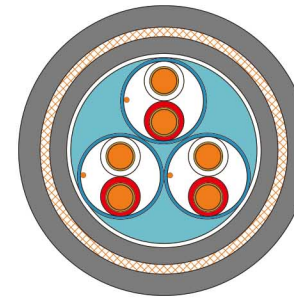
船用中压电力电缆

船用变频电缆

技术资料

No.×mm ²	Diameter		Approx.Weight		Conductor resistance at 20 C Ω/km	Insulation resistance at 20 C MΩ*km
	Nominal	Tolerance	CHJV82/NA	CHJPF86/NC CHJJP85/NC		
	mm	±mm	kg/km			
1×2×1	11.4	0.9	159	164	18.2	960
1×3×1	11.9	0.9	186	191	18.2	960
1×4×1	12.9	1.0	219	224	18.2	960
2×2×1	16.4	1.2	323	359	18.2	960
3×2×1	17.2	1.2	364	402	18.2	960
4×2×1	18.8	1.3	423	475	18.2	960
5×2×1	20.3	1.4	459	505	18.2	960
7×2×1	22.0	1.4	552	614	18.2	960
10×2×1	27.1	1.7	764	844	18.2	960
12×2×1	27.9	1.7	859	928	18.2	960
14×2×1	29.2	1.8	950	1023	18.2	960
16×2×1	30.9	1.9	1124	1138	18.2	960
19×2×1	31.8	1.9	1247	1262	18.2	960
24×2×1	37.6	2.2	1601	1621	18.2	960
27×2×1	38.5	2.3	1737	1758	18.2	960
30×2×1	40.2	2.4	1869	1976	18.2	960
33×2×1	41.8	2.4	2025	2137	18.2	960
37×2×1	43.3	2.5	2194	2311	18.2	960
1×2×1.5	12.0	0.9	177	181	12.2	840
1×3×1.5	12.5	1.0	209	214	12.2	840
1×4×1.5	13.6	1.0	252	258	12.2	840
2×2×1.5	17.4	1.2	370	409	12.2	840
3×2×1.5	18.3	1.3	413	422	12.2	840
4×2×1.5	20.0	1.3	502	512	12.2	840
5×2×1.5	21.8	1.4	537	598	12.2	840
7×2×1.5	23.5	1.5	666	721	12.2	840
10×2×1.5	29.1	1.8	924	997	12.2	840
12×2×1.5	30.2	1.9	1106	1120	12.2	840
14×2×1.5	31.6	1.9	1224	1239	12.2	840
16×2×1.5	33.4	2.0	1365	1381	12.2	840
19×2×1.5	34.8	2.1	1559	1577	12.2	840
24×2×1.5	41.2	2.4	1972	2083	12.2	840
27×2×1.5	42.1	2.5	2125	2238	12.2	840
30×2×1.5	43.7	2.5	2291	2432	12.2	840
33×2×1.5	45.6	2.6	2533	2658	12.2	840
37×2×1.5	47.5	2.7	2777	2908	12.2	840

XLPE INSTALLED, FIRE RESISTANT & FLAME RETARDANT, COMMUNICATION & INSTRUMENTATION CABLES
交联聚乙烯绝缘阻燃及耐火通信仪表电缆



电缆型号 CABLE DESIGNATION
 150/250V CHJPF86/NC, CHJJP85/NC

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-376
绝缘材料 Insulation Material	IEC 60092-360, XLPE
护套材料 Sheath Material	IEC 60092-360, SHF1, SHF2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
耐火 Fire Resistant	IEC 60331
无卤 Halogen Free	IEC 60754
低烟 Low Smoke	IEC 61034
低毒 Low Toxicity	IEC 60754
低温 -25°C Low temperature -25°C	IEC 60092-350

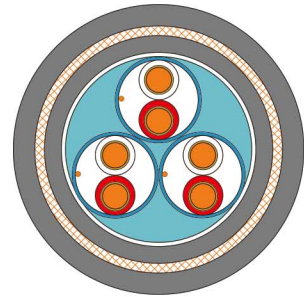
最大额定导体运行温度 Max. Rated Conductor Temperature: 90°C

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper
耐火层 Fire Resistant Layer	云母带 Mica/Glass tape
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360
对绞 Twisting	2个或3个绝缘线芯对绞 Two/ three insulated cores shall be twisted together to form a pair / triad
分屏蔽 Individual Screen	铝塑复合带+镀锡引流线 AL/PS Tape with a drain wire
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable
内衬层或内护套 Inner Covering or Inner Sheath	热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360 热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid
外护套 Outer Sheath	热固性低烟无卤交联聚烯烃 SHF2 as per IEC 60092-360 热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360
线芯标识 Core Identification	有色绝缘加黑色阿拉伯数字。 Colored insulation with arabic number printing on the insulation 2线组 Pair: 白White, 红Red 3线组 Triad: 白White, 红Red, 蓝Blue 注: 若客户特殊要求, 其他标识方法亦可采用。 Note: The other color scheme may be applicable when purchaser required.

交联聚乙烯绝缘阻燃及耐火通信仪表电缆
 交联聚乙烯绝缘阻燃及耐火通信仪表电缆
 交联聚乙烯绝缘阻燃及耐火通信仪表电缆
 交联聚乙烯绝缘阻燃及耐火通信仪表电缆
 船用中压电力电缆
 船用变频电缆
 技术资料

XLPE INSTALLED, FIRE RESISTANT & FLAME RETARDANT, COMMUNICATION & INSTRUMENTATION CABLES
交联聚乙烯绝缘阻燃及耐火通信仪表电缆



电缆型号 CABLE DESIGNATION

150/250V CHJVP82/NA

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-376
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,ST2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
耐火 Fire Resistant	IEC 60331
低温 -25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max. Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper
耐火层 Fire Resistant Layer	云母带 Mica/Glass tape
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360
对绞 Twisting	2个或3个绝缘线芯对绞 Two/ three insulated cores shall be twisted together to form a pair / triad
分屏蔽 Individual Screen	铝塑复合带+镀锡引流线 AL/PS Tape with a drain wire
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable
内衬层或内护套 Inner Covering or Inner Sheath	聚氯乙烯 ST2 as per IEC 60092-360
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid
外护套 Outer Sheath	聚氯乙烯 ST2 as per IEC 60092-360
线芯标识 Core Identification	有色绝缘加黑色阿拉伯数字。 Colored insulation with arabic number printing on the insulation 2线组Pair: 白White,红Red 3线组Triad: 白White,红Red,蓝Blue 注: 若客户特殊要求,其他标识方法亦可采用。 Note:The other color scheme may be applicable when purchaser required.

No.×mm ²	Diameter		Approx.Weight		Conductor resistance at 20 C	Insulation resistance at 20 C
	Nominal	Tolerance	CHJVP82/NA	CHJVP86/NC CHJVP85/NC		
	mm	±mm	kg/km		Ω/km	MΩ*km
1×2×0.5	9.7	0.8	134	137	36.7	900
1×3×0.5	10.3	0.9	153	156	36.7	900
1×4×0.5	10.9	0.9	172	175	36.7	900
2×2×0.5	14.5	1.1	260	265	36.7	900
3×2×0.5	15.2	1.1	292	297	36.7	900
4×2×0.5	16.1	1.2	340	376	36.7	900
5×2×0.5	17.4	1.2	365	404	36.7	900
7×2×0.5	18.7	1.3	436	489	36.7	900
10×2×0.5	22.9	1.5	601	656	36.7	900
12×2×0.5	23.5	1.5	661	718	36.7	900
14×2×0.5	24.8	1.6	742	803	36.7	900
16×2×0.5	26.0	1.6	814	878	36.7	900
19×2×0.5	27.5	1.7	925	994	36.7	900
24×2×0.5	32.3	2.0	1211	1226	36.7	900
27×2×0.5	33.1	2.0	1315	1331	36.7	900
30×2×0.5	34.6	2.1	1449	1467	36.7	900
33×2×0.5	35.8	2.1	1550	1669	36.7	900
37×2×0.5	37.3	2.2	1698	1718	36.7	900
1×2×0.75	10.3	0.9	143	147	24.8	810
1×3×0.75	10.7	0.9	162	166	24.8	810
1×4×0.75	11.4	0.9	195	198	24.8	810
2×2×0.75	15.3	1.1	270	277	24.8	810
3×2×0.75	16.0	1.1	316	323	24.8	810
4×2×0.75	17.0	1.2	389	427	24.8	810
5×2×0.75	18.3	1.3	420	471	24.8	810
7×2×0.75	20.0	1.3	519	565	24.8	810
10×2×0.75	24.4	1.6	715	775	24.8	810
12×2×0.75	25.2	1.6	794	856	24.8	810
14×2×0.75	26.3	1.7	878	943	24.8	810
16×2×0.75	27.8	1.7	982	1051	24.8	810
19×2×0.75	29.2	1.8	1104	1178	24.8	810
24×2×0.75	34.9	2.1	1495	1513	24.8	810
27×2×0.75	35.6	2.1	1608	1626	24.8	810
30×2×0.75	37.0	2.2	1752	1771	24.8	810
33×2×0.75	38.3	2.3	1879	2103	24.8	810
37×2×0.75	39.9	2.3	2062	2167	24.8	810

交联聚乙烯绝缘阻燃及耐火通信仪表电缆

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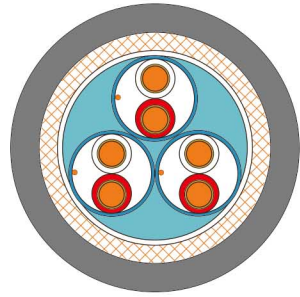
交联聚乙烯绝缘阻燃及耐火通信仪表电缆

船用中压电力电缆

船用变频电缆

技术资料

XLPE INSTALLED, FIRE RESISTANT & FLAME RETARDANT, COMMUNICATION & INSTRUMENTATION CABLES
交联聚乙烯绝缘阻燃及耐火通信仪表电缆



电缆型号 CABLE DESIGNATION

150/250V CHJP82/NA

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-350&IEC 60092-376
绝缘材料 Insulation Material	IEC 60092-360,XLPE
护套材料 Sheath Material	IEC 60092-360,ST2
阻燃 Flame Retardant	IEC 60332-1&IEC 60332-3 Category A
耐火 Fire Resistant	IEC 60331
低温 -25°C Low temperature -25°C	IEC 60092-350
最大额定导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail
导体 Conductor	绞合裸铜或镀锡铜 Plain or tinned stranded copper
耐火层 Fire Resistant Layer	云母带 Mica/Glass tape
绝缘 Insulation	交联聚乙烯 XLPE as per IEC 60092-360
对绞 Twisting	2个或3个绝缘线芯对绞 Two/ three insulated cores shall be twisted together to form a pair / triad
分屏蔽 Individual Screen	铝塑复合带+镀锡引流线 AL/PS Tape with a drain wire
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable
内衬层 Inner Covering	聚氯乙烯带 PVC tape
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid
外护套 Outer Sheath	聚氯乙烯 ST2 as per IEC 60092-360
线芯标识 Core Identification	有色绝缘加黑色阿拉伯数字。 Colored insulation with arabic number printing on the insulation 2线组Pair: 白White,红Red 3线组Triad: 白White,红Red,蓝Blue 注: .若客户特殊要求,其他标识方法亦可采用。 Note:The other color scheme may be applicable when purchaser required.

No.×mm ²	Diameter		Approx.Weight		Conductor resistance at 20°C	Insulation resistance at 20°C
	Nominal	Tolerance	CHJP82/NA	CHJP86/NC CHJP85/NC		
	mm	±mm	kg/km		Ω/km	MΩ*km
1×2×0.5	7.9	0.8	90	92	36.7	900
1×3×0.5	8.3	0.8	102	103	36.7	900
1×4×0.5	9.1	0.8	123	124	36.7	900
2×2×0.5	12.5	1.0	187	189	36.7	900
3×2×0.5	13.2	1.0	215	218	36.7	900
4×2×0.5	13.9	1.0	251	254	36.7	900
5×2×0.5	15.4	1.1	277	280	36.7	900
7×2×0.5	16.7	1.2	340	344	36.7	900
10×2×0.5	20.9	1.4	482	488	36.7	900
12×2×0.5	21.5	1.4	539	544	36.7	900
14×2×0.5	22.6	1.5	602	607	36.7	900
16×2×0.5	24.0	1.5	678	685	36.7	900
19×2×0.5	25.3	1.6	768	775	36.7	900
24×2×0.5	30.3	1.9	1042	1051	36.7	900
27×2×0.5	30.9	1.9	1125	1134	36.7	900
30×2×0.5	32.2	2.0	1233	1243	36.7	900
33×2×0.5	33.4	2.0	1326	1337	36.7	900
37×2×0.5	34.9	2.1	1464	1476	36.7	900
1×2×0.75	8.3	0.8	103	105	24.8	810
1×3×0.75	8.7	0.8	118	120	24.8	810
1×4×0.75	9.6	0.8	143	144	24.8	810
2×2×0.75	13.3	1.0	202	205	24.8	810
3×2×0.75	14.0	1.0	244	248	24.8	810
4×2×0.75	15.0	1.1	303	306	24.8	810
5×2×0.75	16.3	1.2	326	329	24.8	810
7×2×0.75	18.0	1.2	416	421	24.8	810
10×2×0.75	22.2	1.5	576	582	24.8	810
12×2×0.75	23.2	1.5	662	669	24.8	810
14×2×0.75	24.3	1.6	741	747	24.8	810
16×2×0.75	25.6	1.6	823	830	24.8	810
19×2×0.75	27.2	1.7	951	959	24.8	810
24×2×0.75	32.5	2.0	1277	1287	24.8	810
27×2×0.75	33.2	2.0	1385	1396	24.8	810
30×2×0.75	34.6	2.1	1520	1531	24.8	810
33×2×0.75	35.9	2.1	1639	1651	24.8	810
37×2×0.75	37.5	2.2	1811	1824	24.8	810

交联聚乙烯绝缘阻燃及耐火通信仪表电缆

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船用中压电力电缆

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技术资料

No.×mm ²	Diameter		Approx. Weight		Conductor resistance at 20 C Ω/km	Insulation resistance at 20 C MΩ*km
	Nominal	Tolerance	CHJP82/NA	CHJP86/NC CHJP85/NC		
	mm	±mm	kg/km			
1×2×1	9.7	0.8	130	133	18.2	960
1×3×1	10.2	0.9	155	158	18.2	960
1×4×1	11.0	0.9	182	184	18.2	960
2×2×1	15.7	1.1	286	289	18.2	960
3×2×1	16.6	1.2	334	338	18.2	960
4×2×1	17.6	1.2	396	400	18.2	960
5×2×1	19.4	1.3	433	438	18.2	960
7×2×1	21.4	1.4	556	561	18.2	960
10×2×1	26.8	1.7	785	792	18.2	960
12×2×1	27.7	1.7	887	895	18.2	960
14×2×1	29.3	1.8	1011	1020	18.2	960
16×2×1	31.3	1.9	1190	1199	18.2	960
19×2×1	33.2	2.0	1369	1380	18.2	960
24×2×1	39.1	2.3	1730	1744	18.2	960
27×2×1	40.0	2.3	1879	1894	18.2	960
30×2×1	41.6	2.4	2062	2077	18.2	960
33×2×1	43.3	2.5	2227	2244	18.2	960
37×2×1	45.1	2.6	2460	2478	18.2	960
1×2×1.5	10.3	0.9	146	149	12.2	840
1×3×1.5	10.8	0.9	177	179	12.2	840
1×4×1.5	11.7	0.9	214	216	12.2	840
2×2×1.5	16.8	1.2	330	333	12.2	840
3×2×1.5	17.8	1.2	389	393	12.2	840
4×2×1.5	19.1	1.3	474	478	12.2	840
5×2×1.5	21.1	1.4	519	524	12.2	840
7×2×1.5	23.0	1.5	655	661	12.2	840
10×2×1.5	29.0	1.8	941	950	12.2	840
12×2×1.5	30.4	1.9	1132	1141	12.2	840
14×2×1.5	32.1	2.0	1286	1296	12.2	840
16×2×1.5	33.9	2.0	1429	1440	12.2	840
19×2×1.5	35.9	2.1	1647	1659	12.2	840
24×2×1.5	42.4	2.5	2080	2096	12.2	840
27×2×1.5	43.6	2.5	2288	2305	12.2	840
30×2×1.5	45.1	2.6	2486	2504	12.2	840
33×2×1.5	47.1	2.7	2713	2733	12.2	840
37×2×1.5	49.1	2.8	2999	3020	12.2	840

SHIPBOARD MEDIUM VOLTAGE POWER CABLES

船用中压电力电缆



SHIPBOARD MEDIUM VOLTAGE POWER CABLES
船用中压电力电缆



电缆型号 CABLE DESIGNATION

3.6/6kV, 6/10kV, 8.7/15kV, 12/20kV, 18/30kV
CJPF86/SC, CJPJ85/SC, CEPF86/SC, CEPJ85/SC

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-354
绝缘材料 Insulation Material	IEC 60092-360
护套材料 Sheath Material	IEC 60092-360
阻燃 Flame Retardant	IEC 60332-1&-3 Category A
无卤 Halogen Free	IEC 60754
低烟 Low Smoke	IEC 61034
低毒 Low Toxicity	IEC 60754
低温 -25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max. Rated Conductor Temperature: 90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail	
导体 Conductor	2类绞合镀锡铜或裸铜 Tinned or plain stranded copper, class 2	
导体屏蔽 Conductor screening	半导体材料 Semi conducting material	
绝缘 Insulation	乙丙橡胶 Ethylene propylene rubber (EPR) 交联聚乙烯 Cross-linked Polyethylene (XLPE)	
绝缘屏蔽 Insulation screening	半导体材料 Semi conducting material	
金属屏蔽 Metallic screen	镀锡铜丝编织或铜带绕包 Tinned copper wire braid or copper tape wrapped	
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable	
内衬层或内护套 Inner covering or Inner sheath	热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360 热固性低烟无卤聚烯烃 SHF2 as per IEC 60092-360	
铠装 Armor	镀锡铜丝编织 Tinned copper wire braid	
外护套 Outer Sheath	热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360 热固性低烟无卤聚烯烃 SHF2 as per IEC 60092-360	
线芯标识 Core Identification	芯数 No. of cores	标识方法 Identification
	1芯 Single core	白色 White
	3芯 Three cores	黑色 Black, 棕色 Brown, 灰色 Grey
注: 外护套颜色为红色 Note: The color of outer sheath is Red		

3.6/6kV CEPF86/SC, CEPJ85/SC

No. × mm ²	Thickness of insulation	Thickness of inner covering	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×10	2.5	1.0	0.3	1.4	19.2	1.1	1.84	12.5	624
1×16	2.5	1.0	0.3	1.5	20.4	1.1	1.16	12.5	729
1×25	2.5	1.0	0.3	1.5	21.6	1.2	0.734	12.5	863
1×35	2.5	1.0	0.3	1.6	22.8	1.2	0.529	12.5	1002
1×50	2.5	1.0	0.3	1.6	24.0	1.2	0.391	12.5	1170
1×70	2.5	1.0	0.3	1.7	26.0	1.3	0.270	12.5	1443
1×95	2.5	1.0	0.3	1.7	27.6	1.4	0.195	12.5	1737
1×120	2.5	1.0	0.3	1.8	29.2	1.4	0.154	12.5	2037
1×150	2.5	1.0	0.3	1.8	30.6	1.5	0.126	12.5	2332
1×185	2.5	1.0	0.3	1.9	32.6	1.5	0.100	12.5	2747
1×240	2.6	1.2	0.3	2.0	35.6	1.6	0.0762	12.5	3426
1×300	2.8	1.2	0.4	2.1	38.8	1.7	0.0607	12.5	4199
1×400	3.0	1.2	0.4	2.3	42.6	1.9	0.0475	12.5	5216
3×10	2.5	1.2	0.3	2.0	35.4	1.6	1.84	12.5	1979
3×16	2.5	1.2	0.4	2.1	38.2	1.7	1.16	12.5	2416
3×25	2.5	1.2	0.4	2.2	41.0	1.8	0.734	12.5	2909
3×35	2.5	1.2	0.4	2.3	43.4	1.9	0.529	12.5	3386
3×50	2.5	1.4	0.4	2.4	46.6	2.0	0.391	12.5	4044
3×70	2.5	1.4	0.4	2.5	50.6	2.1	0.270	12.5	4976
3×95	2.5	1.4	0.4	2.7	54.6	2.3	0.195	12.5	6074
3×120	2.5	1.6	0.4	2.8	58.2	2.4	0.154	12.5	7158
3×150	2.5	1.6	0.4	3.0	61.6	2.5	0.126	12.5	8254

6/10kV CEPF86/SC, CEPJ85/SC

No. × mm ²	Thickness of insulation	Thickness of inner covering	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×16	3.4	1.0	0.3	1.5	22.2	1.2	1.16	21	834
1×25	3.4	1.0	0.3	1.6	23.6	1.2	0.734	21	987
1×35	3.4	1.0	0.3	1.6	24.6	1.3	0.529	21	1119
1×50	3.4	1.0	0.3	1.7	26.0	1.3	0.391	21	1304
1×70	3.4	1.0	0.3	1.7	27.8	1.4	0.270	21	1572
1×95	3.4	1.0	0.3	1.8	29.6	1.4	0.195	21	1888
1×120	3.4	1.0	0.3	1.9	31.2	1.5	0.154	21	2195
1×150	3.4	1.0	0.3	1.9	32.6	1.5	0.126	21	2496
1×185	3.4	1.2	0.3	2.0	35.0	1.6	0.100	21	2962
1×240	3.4	1.2	0.4	2.1	37.8	1.7	0.0762	21	3679
1×300	3.4	1.2	0.4	2.2	40.2	1.8	0.0607	21	4342
1×400	3.4	1.2	0.4	2.3	43.4	1.9	0.0475	21	5305
3×16	3.4	1.2	0.4	2.3	42.6	1.9	1.16	21	2887
3×25	3.4	1.2	0.4	2.4	45.4	2.0	0.734	21	3409
3×35	3.4	1.4	0.4	2.5	48.0	2.0	0.529	21	3940
3×50	3.4	1.4	0.4	2.6	50.8	2.1	0.391	21	4577
3×70	3.4	1.4	0.4	2.7	55.0	2.3	0.270	21	5583
3×95	3.4	1.6	0.4	2.9	59.2	2.4	0.195	21	6753
3×120	3.4	1.6	0.4	3.0	62.4	2.5	0.154	21	7806
3×150	3.4	1.6	0.4	3.1	65.6	2.6	0.126	21	8900

交联聚乙烯绝缘阻燃低电压电力及控制电缆

交联聚乙烯绝缘阻燃及耐火低电压电力及控制电缆

交联聚乙烯绝缘阻燃通信及仪表电缆

交联聚乙烯绝缘阻燃及耐火通信仪表电缆

船用中压电力电缆

船用变频电缆

技术资料

8.7/15kV CEPF86/SC,CEPJ85/SC

No.×mm ²	Thickness of insulation	Thickness of inner covering	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×25	4.5	1.0	0.3	1.7	26.8	1.3	0.734	30.5	1194
1×35	4.5	1.0	0.3	1.7	27.8	1.4	0.529	30.5	1333
1×50	4.5	1.0	0.3	1.8	29.2	1.4	0.391	30.5	1528
1×70	4.5	1.0	0.3	1.8	31.0	1.5	0.270	30.5	1809
1×95	4.5	1.0	0.3	1.9	32.8	1.5	0.195	30.5	2138
1×120	4.5	1.2	0.3	2.0	34.8	1.6	0.154	30.5	2495
1×150	4.5	1.2	0.3	2.0	36.2	1.7	0.126	30.5	2811
1×185	4.5	1.2	0.4	2.1	38.6	1.7	0.100	30.5	3335
1×240	4.5	1.2	0.4	2.2	41.0	1.8	0.0762	30.5	3992
1×300	4.5	1.2	0.4	2.3	43.4	1.9	0.0607	30.5	4673
1×400	4.5	1.4	0.4	2.4	47.0	2.0	0.0475	30.5	5710
3×25	4.5	1.4	0.4	2.6	52.6	2.2	0.734	30.5	4319
3×35	4.5	1.4	0.4	2.7	55.0	2.3	0.529	30.5	4851
3×50	4.5	1.4	0.4	2.8	57.8	2.4	0.391	30.5	5532
3×70	4.5	1.6	0.4	2.9	62.2	2.5	0.270	30.5	6639
3×95	4.5	1.6	0.4	3.1	66.0	2.6	0.195	30.5	7821
3×120	4.5	1.6	0.4	3.2	69.4	2.8	0.154	30.5	8948
3×150	4.5	1.6	0.4	3.3	72.6	2.9	0.126	30.5	10094

12/20kV CEPF86/SC,CEPJ85/SC

No.×mm ²	Thickness of insulation	Thickness of inner covering	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×35	5.5	1.0	0.3	1.8	30.0	1.4	0.529	42	1500
1×50	5.5	1.0	0.3	1.9	31.4	1.5	0.391	42	1702
1×70	5.5	1.0	0.3	1.9	33.2	1.6	0.270	42	1992
1×95	5.5	1.2	0.3	2.0	35.4	1.6	0.195	42	2372
1×120	5.5	1.2	0.3	2.1	37.0	1.7	0.154	42	2701
1×150	5.5	1.2	0.4	2.1	38.8	1.7	0.126	42	3106
1×185	5.5	1.2	0.4	2.2	40.8	1.8	0.100	42	3562
1×240	5.5	1.2	0.4	2.3	43.2	1.9	0.0762	42	4231
1×300	5.5	1.2	0.4	2.4	45.6	2.0	0.0607	42	4924
1×400	5.5	1.4	0.4	2.5	49.2	2.1	0.0475	42	5980
3×35	5.5	1.6	0.4	2.9	60.0	2.4	0.529	42	5598
3×50	5.5	1.6	0.4	3.0	62.8	2.5	0.391	42	6314
3×70	5.5	1.6	0.4	3.1	67.0	2.7	0.270	42	7434
3×95	5.5	1.6	0.4	3.2	70.6	2.8	0.195	42	8605
3×120	5.5	1.6	0.4	3.4	74.0	2.9	0.154	42	9786
3×150	5.5	1.8	0.4	3.5	77.6	3.0	0.126	42	11055

18/30kV CEPF86/SC,CEPJ85/SC

No.×mm ²	Thickness of insulation	Thickness of inner covering	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×50	8.0	1.2	0.4	2.1	38.0	1.7	0.391	63	2339
1×70	8.0	1.2	0.4	2.2	40.0	1.8	0.270	63	2679
1×95	8.0	1.2	0.4	2.2	41.6	1.8	0.195	63	3027
1×120	8.0	1.2	0.4	2.3	43.2	1.9	0.154	63	3382
1×150	8.0	1.2	0.4	2.3	44.6	1.9	0.126	63	3724
1×185	8.0	1.4	0.4	2.4	47.0	2.0	0.100	63	4258
1×240	8.0	1.4	0.4	2.5	49.4	2.1	0.0762	63	4963
1×300	8.0	1.4	0.4	2.6	51.8	2.2	0.0607	63	5691
1×400	8.0	1.4	0.4	2.7	55.0	2.3	0.0475	63	6740
3×50	8.0	1.8	0.4	3.4	75.8	3.0	0.391	63	8594
3×70	8.0	1.8	0.4	3.5	79.8	3.1	0.270	63	9800
3×95	8.0	1.8	0.4	3.7	83.6	3.2	0.195	63	11151
3×120	8.0	1.8	0.4	3.8	86.8	3.3	0.154	63	12391
3×150	8.0	1.8	0.4	4.0	90.4	3.5	0.126	63	13749

3.6/6kV CJPF86/SC,CJPJ85/SC

No.×mm ²	Thickness of insulation	Thickness of inner covering	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×10	2.5	1.0	0.3	1.4	18.8	1.1	1.84	12.5	580
1×16	2.5	1.0	0.3	1.5	20.0	1.1	1.16	12.5	680
1×25	2.5	1.0	0.3	1.5	21.2	1.2	0.734	12.5	810
1×35	2.5	1.0	0.3	1.6	22.4	1.2	0.529	12.5	944
1×50	2.5	1.0	0.3	1.6	23.6	1.2	0.391	12.5	1107
1×70	2.5	1.0	0.3	1.7	25.6	1.3	0.270	12.5	1372
1×95	2.5	1.0	0.3	1.7	27.2	1.4	0.195	12.5	1660
1×120	2.5	1.0	0.3	1.8	28.8	1.4	0.154	12.5	1954
1×150	2.5	1.0	0.3	1.8	30.2	1.5	0.126	12.5	2243
1×185	2.5	1.0	0.3	1.9	32.2	1.5	0.100	12.5	2650
1×240	2.6	1.2	0.3	2.0	35.2	1.6	0.0762	12.5	3317
1×300	2.8	1.2	0.4	2.1	38.4	1.7	0.0607	12.5	4072
1×400	3.0	1.2	0.4	2.3	42.2	1.9	0.0475	12.5	5067
3×10	2.5	1.2	0.3	2.0	34.6	1.6	1.84	12.5	1828
3×16	2.5	1.2	0.4	2.1	37.4	1.7	1.16	12.5	2259
3×25	2.5	1.2	0.4	2.2	40.2	1.8	0.734	12.5	2736
3×35	2.5	1.2	0.4	2.3	42.6	1.9	0.529	12.5	3188
3×50	2.5	1.4	0.4	2.4	45.8	2.0	0.391	12.5	3829
3×70	2.5	1.4	0.4	2.5	49.8	2.1	0.270	12.5	4747
3×95	2.5	1.4	0.4	2.7	53.6	2.2	0.195	12.5	5792
3×120	2.5	1.6	0.4	2.8	57.2	2.4	0.154	12.5	6855
3×150	2.5	1.6	0.4	3.0	60.6	2.5	0.126	12.5	7929

6/10kV CJPF86/SC,CJPJ85/SC

No.×mm ²	Thickness of insulation	Thickness of inner covering	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×16	3.4	1.0	0.3	1.5	21.8	1.2	1.16	21	769
1×25	3.4	1.0	0.3	1.6	23.2	1.2	0.734	21	915
1×35	3.4	1.0	0.3	1.6	24.2	1.3	0.529	21	1041
1×50	3.4	1.0	0.3	1.7	25.6	1.3	0.391	21	1220
1×70	3.4	1.0	0.3	1.7	27.4	1.4	0.270	21	1478
1×95	3.4	1.0	0.3	1.8	29.2	1.4	0.195	21	1785
1×120	3.4	1.0	0.3	1.9	30.8	1.5	0.154	21	2085
1×150	3.4	1.0	0.3	1.9	32.2	1.5	0.126	21	2379
1×185	3.4	1.2	0.3	2.0	34.6	1.6	0.100	21	2832
1×240	3.4	1.2	0.4	2.1	37.4	1.7	0.0762	21	3539
1×300	3.4	1.2	0.4	2.2	39.8	1.8	0.0607	21	4191
1×400	3.4	1.2	0.4	2.3	43.0	1.9	0.0475	21	5137
3×16	3.4	1.2	0.4	2.3	41.6	1.8	1.16	21	2653
3×25	3.4	1.2	0.4	2.4	44.4	1.9	0.734	21	3153
3×35	3.4	1.4	0.4	2.5	47.2	2.0	0.529	21	3680
3×50	3.4	1.4	0.4	2.6	50.0	2.1	0.391	21	4306
3×70	3.4	1.4	0.4	2.7	54.0	2.2	0.270	21	5250
3×95	3.4	1.6	0.4	2.9	58.4	2.4	0.195	21	6422
3×120	3.4	1.6	0.4	3.0	61.6	2.5	0.154	21	7451
3×150	3.4	1.6	0.4	3.1	64.8	2.6	0.126	21	8520

8.7/15kV CJPF86/SC,CJPJ85/SC

No.×mm ²	Thickness of insulation	Thickness of inner covering	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20℃	Test voltage	Approx. Weight
	mm	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×25	4.5	1.0	0.3	1.7	26.0	1.3	0.734	30.5	1070
1×35	4.5	1.0	0.3	1.7	27.0	1.3	0.529	30.5	1201
1×50	4.5	1.0	0.3	1.8	28.4	1.4	0.391	30.5	1387
1×70	4.5	1.0	0.3	1.8	30.2	1.5	0.270	30.5	1654
1×95	4.5	1.0	0.3	1.9	32.0	1.5	0.195	30.5	1970
1×120	4.5	1.2	0.3	2.0	34.0	1.6	0.154	30.5	2316
1×150	4.5	1.2	0.3	2.0	35.4	1.6	0.126	30.5	2620
1×185	4.5	1.2	0.4	2.1	37.8	1.7	0.100	30.5	3131
1×240	4.5	1.2	0.4	2.2	40.2	1.8	0.0762	30.5	3770
1×300	4.5	1.2	0.4	2.3	42.6	1.9	0.0607	30.5	4434
1×400	4.5	1.4	0.4	2.4	46.2	2.0	0.0475	30.5	5447
3×25	4.5	1.4	0.4	2.6	50.8	2.1	0.734	30.5	3865
3×35	4.5	1.4	0.4	2.7	53.2	2.2	0.529	30.5	4373
3×50	4.5	1.4	0.4	2.8	56.0	2.3	0.391	30.5	5021
3×70	4.5	1.6	0.4	2.9	60.4	2.5	0.270	30.5	6091
3×95	4.5	1.6	0.4	3.1	64.4	2.6	0.195	30.5	7249
3×120	4.5	1.6	0.4	3.2	67.6	2.7	0.154	30.5	8318
3×150	4.5	1.6	0.4	3.3	70.8	2.8	0.126	30.5	9409

12/20kV CJPF86/SC,CJPJ85/SC

No.×mm ²	Thickness of insulation	Thickness of inner covering	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20℃	Test voltage	Approx. Weight
	mm	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×35	5.5	1.0	0.3	1.8	29.2	1.4	0.529	42	1338
1×50	5.5	1.0	0.3	1.9	30.6	1.5	0.391	42	1530
1×70	5.5	1.0	0.3	1.9	32.4	1.5	0.270	42	1803
1×95	5.5	1.2	0.3	2.0	34.6	1.6	0.195	42	2165
1×120	5.5	1.2	0.3	2.1	36.2	1.7	0.154	42	2483
1×150	5.5	1.2	0.4	2.1	38.0	1.7	0.126	42	2875
1×185	5.5	1.2	0.4	2.2	40.0	1.8	0.100	42	3314
1×240	5.5	1.2	0.4	2.3	42.4	1.9	0.0762	42	3963
1×300	5.5	1.2	0.4	2.4	44.8	1.9	0.0607	42	4636
1×400	5.5	1.4	0.4	2.5	48.4	2.1	0.0475	42	5664
3×35	5.5	1.6	0.4	2.9	58.4	2.4	0.529	42	5052
3×50	5.5	1.6	0.4	3.0	61.2	2.5	0.391	42	5731
3×70	5.5	1.6	0.4	3.1	65.2	2.6	0.270	42	6760
3×95	5.5	1.6	0.4	3.2	68.8	2.7	0.195	42	7897
3×120	5.5	1.6	0.4	3.4	72.2	2.9	0.154	42	9033
3×150	5.5	1.8	0.4	3.5	76.0	3.0	0.126	42	10280

18/30kV CJPF86/SC,CJPJ85/SC

No.×mm ²	Thickness of insulation	Thickness of inner covering	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20℃	Test voltage	Approx. Weight
	mm	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×50	8.0	1.2	0.4	2.1	37.6	1.7	0.391	63	2100
1×70	8.0	1.2	0.4	2.2	39.6	1.8	0.270	63	2419
1×95	8.0	1.2	0.4	2.2	41.2	1.8	0.195	63	2748
1×120	8.0	1.2	0.4	2.3	42.8	1.9	0.154	63	3086
1×150	8.0	1.2	0.4	2.3	44.2	1.9	0.126	63	3412
1×185	8.0	1.4	0.4	2.4	46.6	2.0	0.100	63	3924
1×240	8.0	1.4	0.4	2.5	49.0	2.1	0.0762	63	4602
1×300	8.0	1.4	0.4	2.6	51.4	2.2	0.0607	63	5304
1×400	8.0	1.4	0.4	2.7	54.6	2.3	0.0475	63	6318
3×50	8.0	1.8	0.4	3.4	74.8	2.9	0.391	63	7800
3×70	8.0	1.8	0.4	3.5	79.0	3.1	0.270	63	8982
3×95	8.0	1.8	0.4	3.7	82.8	3.2	0.195	63	10253
3×120	8.0	1.8	0.4	3.8	86.0	3.3	0.154	63	11441
3×150	8.0	1.8	0.4	4.0	89.4	3.4	0.126	63	12718



SHIPBOARD VARIABLE-FREQUENCY POWER CABLE

船用变频电缆

SHIPBOARD VARIABLE-FREQUENCY POWER CABLE
船用变频电缆



电缆型号 CABLE DESIGNATION

0.6/1kV, 1.8/3kV
CJ86/SC VFD, CJ85/SC VFD, CE86/SC VFD, CE85/SC VFD

参照标准 APPLICATION STANDARD

设计 Design Guide	IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360
护套材料 Sheath Material	IEC 60092-360
阻燃 Flame Retardant	IEC 60332-1&-3 Category A
无卤 Halogen Free	IEC 60754
低烟 Low Smoke	IEC 61034
低毒 Low Toxicity	IEC 60754
低温 -25°C Low temperature -25°C	IEC 60092-350
最大额度导体运行温度 Max. Rated Conductor Temperature: 90°C	

结构 CONSTRUCTION

类别 Classification	结构描述 Construction Detail	
导体 Conductor	5类绞合镀锡铜或裸铜 Tinned or plain stranded copper, class 5	
绝缘 Insulation	乙丙橡胶 Ethylene propylene rubber (EPR) 交联聚乙烯 Cross-linked Polyethylene (XLPE)	
成缆 Cabling	成缆线芯可用合适的包带 Suitable tape may be applied on the cabled core 必要的填充保证电缆的圆整度 Fillers may be applied to obtain a circular cable	
铠装 Armor 屏蔽 Screen	铜塑复合带绕包 CU/PS Tape providing 100% Coverage 镀锡铜丝编织 Tinned Copper Wire Braid	
外护套 Outer Sheath	热塑性低烟无卤聚烯烃 SHF1 as per IEC 60092-360 热固性低烟无卤聚烯烃 SHF2 as per IEC 60092-360	
线芯标识 Core Identification	芯数 No. of cores	标识方法 Identification
	1芯 Single core	白色 White
	3芯 Three cores	黑色 Black, 棕色 Brown, 灰色 Grey 地线为黄/绿 Yellow/Green for earth core
	注: 外护套颜色为黑色 Note: The color of outer sheath is Black	

0.6/1kV CE86/SC VFD, CE85/SC VFD

No. × mm ²	Thickness of insulation	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×10	1.0	0.2	1.2	9.6	0.7	1.95	3.5	228
1×16	1.0	0.2	1.2	10.8	0.7	1.24	3.5	301
1×25	1.2	0.3	1.3	13.6	0.9	0.795	3.5	465
1×35	1.2	0.3	1.3	15.2	1.1	0.565	3.5	585
1×50	1.4	0.3	1.4	17.4	1.1	0.393	3.5	754
1×70	1.4	0.3	1.4	19.0	1.3	0.277	3.5	981
1×95	1.6	0.3	1.5	21.4	1.5	0.210	3.5	1299
1×120	1.6	0.3	1.6	23.2	1.5	0.164	3.5	1575
1×150	1.8	0.3	1.6	25.4	1.7	0.132	3.5	1890
1×185	2.0	0.3	1.7	27.6	1.9	0.108	3.5	2305
1×240	2.2	0.3	1.8	31.2	2.1	0.0817	3.5	2965
1×300	2.4	0.3	1.8	34.0	2.3	0.0654	3.5	3618
3×25+3×6	1.2/1.0	0.3	1.7	26.4	1.7	0.795/3.39	3.5	1515
3×35+3×6	1.2/1.0	0.3	1.8	29.0	1.9	0.565/3.39	3.5	1867
3×50+3×10	1.4/1.0	0.3	1.9	33.6	2.3	0.393/1.95	3.5	2493
3×70+3×16	1.4/1.0	0.4	2.1	38.2	2.5	0.277/1.24	3.5	3473
3×95+3×16	1.6/1.0	0.4	2.3	42.8	2.9	0.210/1.24	3.5	4436
3×120+3×25	1.6/1.2	0.4	2.4	47.6	3.1	0.164/0.795	3.5	5601
3×150+3×25	1.8/1.2	0.4	2.5	51.4	3.5	0.132/0.795	3.5	6567
3×185+3×35	2.0/1.2	0.4	2.6	56.4	3.7	0.108/0.565	3.5	8141
3×240+3×50	2.2/1.4	0.4	2.8	64.6	4.3	0.0817/0.393	3.5	10566
3×300+3×50	2.4/1.4	0.4	3.0	70.2	4.7	0.0654/0.393	3.5	12624

1.8/3kV CE86/SC VFD, CE85/SC VFD

No. × mm ²	Thickness of insulation	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×10	2.2	0.2	1.2	12.0	0.7	1.95	6.5	288
1×16	2.2	0.2	1.2	13.2	0.9	1.24	6.5	368
1×25	2.2	0.3	1.3	15.6	1.1	0.795	6.5	531
1×35	2.2	0.3	1.3	17.2	1.1	0.565	6.5	659
1×50	2.2	0.3	1.4	19.0	1.3	0.393	6.5	821
1×70	2.2	0.3	1.4	20.6	1.3	0.277	6.5	1054
1×95	2.4	0.3	1.5	23.0	1.5	0.210	6.5	1381
1×120	2.4	0.3	1.6	24.8	1.7	0.164	6.5	1665
1×150	2.4	0.3	1.6	26.6	1.7	0.132	6.5	1962
1×185	2.4	0.3	1.7	28.4	1.9	0.108	6.5	2357
1×240	2.4	0.3	1.8	31.6	2.1	0.0817	6.5	2994
1×300	2.4	0.3	1.8	34.0	2.3	0.0654	6.5	3618
3×25+3×6	2.2/1.0	0.3	1.7	29.8	1.9	0.795/3.39	6.5	1696
3×35+3×6	2.2/1.0	0.3	1.8	33.4	2.3	0.565/3.39	6.5	2090
3×50+3×10	2.2/1.0	0.3	1.9	37.0	2.5	0.393/1.95	6.5	2678
3×70+3×16	2.2/1.0	0.4	2.1	41.2	2.7	0.277/1.24	6.5	3682
3×95+3×16	2.4/1.0	0.4	2.3	46.2	3.1	0.210/1.24	6.5	4667
3×120+3×25	2.4/1.2	0.4	2.4	49.8	3.3	0.164/0.795	6.5	5834
3×150+3×25	2.4/1.2	0.4	2.5	54.0	3.5	0.132/0.795	6.5	6782
3×185+3×35	2.4/1.2	0.4	2.6	57.8	3.9	0.108/0.565	6.5	8291
3×240+3×50	2.4/1.4	0.4	2.8	65.2	4.3	0.0817/0.393	6.5	10649
3×300+3×50	2.4/1.4	0.4	3.0	70.2	4.7	0.0654/0.393	6.5	12624

0.6/1kV CJ86/SC VFD, CJ85/SC VFD

No.×mm ²	Thickness of insulation	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 C	Test voltage	Approx. Weight
	mm							
1×10	0.7	0.2	1.2	9.0	0.7	1.95	3.5	210
1×16	0.7	0.2	1.2	10.2	0.7	1.24	3.5	280
1×25	0.9	0.3	1.3	13.0	0.9	0.795	3.5	436
1×35	0.9	0.3	1.3	14.6	0.9	0.565	3.5	551
1×50	1.0	0.3	1.4	16.6	1.1	0.393	3.5	705
1×70	1.1	0.3	1.4	18.4	1.3	0.277	3.5	933
1×95	1.1	0.3	1.5	20.4	1.3	0.210	3.5	1225
1×120	1.2	0.3	1.6	22.4	1.5	0.164	3.5	1502
1×150	1.4	0.3	1.6	24.6	1.7	0.132	3.5	1802
1×185	1.6	0.3	1.7	26.8	1.7	0.108	3.5	2202
1×240	1.7	0.3	1.8	30.2	2.1	0.0817	3.5	2830
1×300	1.8	0.3	1.8	32.8	2.1	0.0654	3.5	3450
3×25+3×6	0.9/0.7	0.3	1.7	24.6	1.7	0.795/3.39	3.5	1392
3×35+3×6	0.9/0.7	0.3	1.8	27.8	1.9	0.565/3.39	3.5	1743
3×50+3×10	1.0/0.7	0.3	1.9	31.8	2.1	0.393/1.95	3.5	2302
3×70+3×16	1.1/0.7	0.4	2.1	36.6	2.5	0.277/1.24	3.5	3287
3×95+3×16	1.1/0.7	0.4	2.3	40.6	2.7	0.210/1.24	3.5	4161
3×120+3×25	1.2/0.9	0.4	2.4	45.4	3.1	0.164/0.795	3.5	5298
3×150+3×25	1.4/0.9	0.4	2.5	49.6	3.3	0.132/0.795	3.5	6228
3×185+3×35	1.6/0.9	0.4	2.6	54.4	3.7	0.108/0.565	3.5	7753
3×240+3×50	1.7/1.0	0.4	2.8	61.8	4.1	0.0817/0.393	3.5	10024
3×300+3×50	1.8/1.0	0.4	3.0	67.6	4.5	0.0654/0.393	3.5	12007

1.8/3kV CJ86/SC VFD, CJ85/SC VFD

No.×mm ²	Thickness of insulation	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 C	Test voltage	Approx. Weight
	mm							
1×10	2.0	0.2	1.2	11.6	0.7	1.95	3.5	257
1×16	2.0	0.2	1.2	12.8	0.9	1.24	3.5	333
1×25	2.0	0.3	1.3	15.2	1.1	0.795	3.5	488
1×35	2.0	0.3	1.3	16.8	1.1	0.565	3.5	610
1×50	2.0	0.3	1.4	18.6	1.3	0.393	3.5	764
1×70	2.0	0.3	1.4	20.2	1.3	0.277	3.5	991
1×95	2.0	0.3	1.5	22.2	1.5	0.210	3.5	1289
1×120	2.0	0.3	1.6	24.0	1.5	0.164	3.5	1565
1×150	2.0	0.3	1.6	25.8	1.7	0.132	3.5	1853
1×185	2.0	0.3	1.7	27.6	1.9	0.108	3.5	2239
1×240	2.0	0.3	1.8	30.8	2.1	0.0817	3.5	2861
1×300	2.0	0.3	1.8	33.2	2.3	0.0654	3.5	3472
3×25+3×6	2.0/0.7	0.3	1.7	28.8	1.9	0.795/3.39	3.5	1532
3×35+3×6	2.0/0.7	0.3	1.8	32.6	2.1	0.565/3.39	3.5	1914
3×50+3×10	2.0/0.7	0.3	1.9	36.2	2.5	0.393/1.95	3.5	2484
3×70+3×16	2.0/0.7	0.4	2.1	40.4	2.7	0.277/1.24	3.5	3451
3×95+3×16	2.0/0.7	0.4	2.3	44.4	2.9	0.210/1.24	3.5	4351
3×120+3×25	2.0/0.9	0.4	2.4	48.2	3.3	0.164/0.795	3.5	5485
3×150+3×25	2.0/0.9	0.4	2.5	52.2	3.5	0.132/0.795	3.5	6379
3×185+3×35	2.0/0.9	0.4	2.6	56.0	3.7	0.108/0.565	3.5	7847
3×240+3×50	2.0/1.0	0.4	2.8	62.8	4.1	0.0817/0.393	3.5	10126
3×300+3×50	2.0/1.0	0.4	3.0	68.4	4.5	0.0654/0.393	3.5	12072

0.6/1kV CJPF86/SC VFD, CJPF85/SC VFD

No.×mm ²	Thickness of insulation	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 C	Test voltage	Approx. Weight
	mm							
1×10	0.7	0.3	1.3	11.6	0.7	1.95	3.5	292
1×16	0.7	0.3	1.3	12.6	0.9	1.24	3.5	369
1×25	0.9	0.3	1.4	15.0	0.9	0.795	3.5	508
1×35	0.9	0.3	1.4	16.4	1.1	0.565	3.5	630
1×50	1.0	0.3	1.5	18.0	1.1	0.393	3.5	786
1×70	1.1	0.3	1.5	20.2	1.3	0.277	3.5	1029
1×95	1.1	0.3	1.6	22.4	1.5	0.21	3.5	1330
1×120	1.2	0.3	1.6	24.0	1.5	0.164	3.5	1600
1×150	1.4	0.3	1.8	26.4	1.7	0.132	3.5	1954
1×185	1.6	0.3	1.8	29.0	1.9	0.108	3.5	2346
1×240	1.7	0.3	1.8	31.4	2.1	0.0817	3.5	2951
1×300	1.8	0.3	1.9	35.0	2.3	0.0654	3.5	3617
3×25+3×6	0.9/0.7	0.3	1.3	26.6	1.2	0.795/3.39	3.5	1515
3×35+3×6	0.9/0.7	0.3	1.4	29.2	1.3	0.565/3.39	3.5	1872
3×50+3×10	1.0/0.7	0.4	1.5	33.2	1.5	0.393/1.95	3.5	2552
3×70+3×16	1.1/0.7	0.4	1.6	38.0	1.6	0.277/1.24	3.5	3464
3×95+3×16	1.1/0.7	0.4	1.7	42.8	1.8	0.21/1.24	3.5	4389
3×120+3×25	1.2/0.9	0.4	1.8	47.4	1.9	0.164/0.795	3.5	5564
3×150+3×25	1.4/0.9	0.4	2.0	51.4	2.1	0.132/0.795	3.5	6546
3×185+3×25	1.6/0.9	0.4	2.0	57.2	2.3	0.108/0.565	3.5	8113
3×240+3×50	1.7/1.0	0.4	2.2	63.2	2.5	0.0817/0.393	3.5	10459
3×300+3×50	1.8/1.0	0.4	2.4	71.2	2.7	0.0654/0.393	3.5	12549

1.8/3kV CJPF86/SC VFD, CJPF85/SC VFD

No.×mm ²	Thickness of insulation	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 C	Test voltage	Approx. Weight
	mm							
1×10	2.0	0.3	1.3	14.2	0.9	1.95	6.5	354
1×16	2.0	0.3	1.3	15.2	1.1	1.24	6.5	435
1×25	2.0	0.3	1.4	17.2	1.1	0.795	6.5	572
1×35	2.0	0.3	1.4	18.6	1.3	0.565	6.5	699
1×50	2.0	0.3	1.5	20.0	1.3	0.393	6.5	854
1×70	2.0	0.3	1.5	22.0	1.5	0.277	6.5	1097
1×95	2.0	0.3	1.6	24.2	1.7	0.21	6.5	1404
1×120	2.0	0.3	1.6	25.6	1.7	0.164	6.5	1670
1×150	2.0	0.3	1.8	27.6	1.9	0.132	6.5	2011
1×185	2.0	0.3	1.8	29.8	1.9	0.108	6.5	2387
1×240	2.0	0.3	1.8	32.0	2.1	0.0817	6.5	2985
1×300	2.0	0.3	1.9	35.4	2.3	0.0654	6.5	3641
3×25+3×6	2.0/0.7	0.3	1.9	30.8	2.1	0.795/3.39	6.5	1682
3×35+3×6	2.0/0.7	0.3	2.0	33.8	2.3	0.565/3.39	6.5	2055
3×50+3×10	2.0/0.7	0.4	2.1	37.4	2.5	0.393/1.95	6.5	2736
3×70+3×16	2.0/0.7	0.4	2.2	42.0	2.7	0.277/1.24	6.5	3668
3×95+3×16	2.0/0.7	0.4	2.4	46.6	3.1	0.21/1.24	6.5	4592
3×120+3×25	2.0/0.9	0.4	2.5	50.0	3.3	0.164/0.795	6.5	5741
3×150+3×25	2.0/0.9	0.4	2.7	54.0	3.5	0.132/0.795	6.5	6713
3×185+3×25	2.0/0.9	0.4	2.8	58.8	3.9	0.108/0.565	6.5	8219
3×240+3×50	2.0/1.0	0.4	3.0	64.6	4.3	0.0817/0.393	6.5	10576
3×300+3×50	2.0/1.0	0.4	3.2	72.0	4.7	0.0654/0.393	6.5	12621

交联聚乙烯绝缘阻燃及耐火中压电力及控制电缆
交联聚乙烯绝缘阻燃及耐火中压电力及控制电缆
交联聚乙烯绝缘阻燃及耐火中压电力及控制电缆
交联聚乙烯绝缘阻燃及耐火中压电力及控制电缆
船用中压电力电缆
船用变频电缆
技术资料

0.6/1kV CJPJ86/SC VFD,CJPJ85/SC VFD

No.×mm ²	Thickness of insulation	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 °C	Test voltage	Approx. Weight
	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×10	0.7	0.3	1.3	11.6	0.7	1.95	3.5	294
1×16	0.7	0.3	1.3	12.6	0.9	1.24	3.5	370
1×25	0.9	0.3	1.4	15.0	0.9	0.795	3.5	510
1×35	0.9	0.3	1.4	16.4	1.1	0.565	3.5	632
1×50	1.0	0.3	1.5	18.0	1.1	0.393	3.5	788
1×70	1.1	0.3	1.5	20.2	1.3	0.277	3.5	1032
1×95	1.1	0.3	1.6	22.4	1.5	0.21	3.5	1333
1×120	1.2	0.3	1.6	24.0	1.5	0.164	3.5	1604
1×150	1.4	0.3	1.8	26.4	1.7	0.132	3.5	1958
1×185	1.6	0.3	1.8	29.0	1.9	0.108	3.5	2351
1×240	1.7	0.3	1.8	31.4	2.1	0.0817	3.5	2957
1×300	1.8	0.3	1.9	35.0	2.3	0.0654	3.5	3623
3×25+3×6	0.9/0.7	0.3	1.9	26.6	1.7	0.795/3.39	3.5	1519
3×35+3×6	0.9/0.7	0.3	2.0	29.2	1.9	0.565/3.39	3.5	1877
3×50+3×10	1.0/0.7	0.4	2.1	33.2	2.3	0.393/1.95	3.5	2559
3×70+3×16	1.1/0.7	0.4	2.2	38.0	2.5	0.277/1.24	3.5	3472
3×95+3×16	1.1/0.7	0.4	2.4	42.8	2.9	0.21/1.24	3.5	4399
3×120+3×25	1.2/0.9	0.4	2.5	47.4	3.1	0.164/0.795	3.5	5575
3×150+3×25	1.4/0.9	0.4	2.7	51.4	3.5	0.132/0.795	3.5	6558
3×185+3×25	1.6/0.9	0.4	2.8	57.2	3.9	0.108/0.565	3.5	8128
3×240+3×50	1.7/1.0	0.4	3.0	63.2	4.3	0.0817/0.393	3.5	10477
3×300+3×50	1.8/1.0	0.4	3.2	71.2	4.7	0.0654/0.393	3.5	12570

1.8/3kV CJPJ86/SC VFD,CJPJ85/SC VFD

No.×mm ²	Thickness of insulation	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 °C	Test voltage	Approx. Weight
	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×10	2.0	0.3	1.3	14.2	0.9	1.95	6.5	356
1×16	2.0	0.3	1.3	15.2	1.1	1.24	6.5	437
1×25	2.0	0.3	1.4	17.2	1.1	0.795	6.5	574
1×35	2.0	0.3	1.4	18.6	1.3	0.565	6.5	702
1×50	2.0	0.3	1.5	20.0	1.3	0.393	6.5	857
1×70	2.0	0.3	1.5	22.0	1.5	0.277	6.5	1100
1×95	2.0	0.3	1.6	24.2	1.7	0.21	6.5	1408
1×120	2.0	0.3	1.6	25.6	1.7	0.164	6.5	1674
1×150	2.0	0.3	1.8	27.6	1.9	0.132	6.5	2015
1×185	2.0	0.3	1.8	29.8	1.9	0.108	6.5	2392
1×240	2.0	0.3	1.8	32.0	2.1	0.0817	6.5	2990
1×300	2.0	0.3	1.9	35.4	2.3	0.0654	6.5	3647
3×25+3×6	2.0/0.7	0.3	1.9	30.8	2.1	0.795/3.39	6.5	1687
3×35+3×6	2.0/0.7	0.3	2.0	33.8	2.3	0.565/3.39	6.5	2062
3×50+3×10	2.0/0.7	0.4	2.1	37.4	2.5	0.393/1.95	6.5	2744
3×70+3×16	2.0/0.7	0.4	2.2	42.0	2.7	0.277/1.24	6.5	3676
3×95+3×16	2.0/0.7	0.4	2.4	46.6	3.1	0.21/1.24	6.5	4603
3×120+3×25	2.0/0.9	0.4	2.5	50.0	3.3	0.164/0.795	6.5	5753
3×150+3×25	2.0/0.9	0.4	2.7	54.0	3.5	0.132/0.795	6.5	6726
3×185+3×25	2.0/0.9	0.4	2.8	58.8	3.9	0.108/0.565	6.5	8234
3×240+3×50	2.0/1.0	0.4	3.0	64.6	4.3	0.0817/0.393	6.5	10594
3×300+3×50	2.0/1.0	0.4	3.2	72.0	4.7	0.0654/0.393	6.5	12643

TECHNICAL INFORMATION

技术资料

电气参数的计算

CALCULATION OF ELECTRICAL DATA

导体电阻的温度校正系数

TEMPERATURE CORRECTION FACTORS FOR CONDUCTOR RESISTANCE

连续工作条件下的额定电流

CURRENT RATINGS FOR CONTINUOUS SERVICE

短路电流

SHORT CIRCUIT CURRENT RATINGS

最小弯曲半径

MINIMUM BENDING RADIUS



CALCULATION OF ELECTRICAL DATA 电气参数的计算



电感 INDUCTANCE (FOR 2, 3 & 4 CONDUCTOR CABLES)

$$L = 0.2 \times \left[\ln \frac{2a}{d} + 0.25 \right] \times 10^{-6}$$

L : 电感 Inductance (H/m)

a : 导体间的轴向距离 Axial space between conductor (mm)

d : 导体直径 Conductor diameter (mm)

电抗 REACTANCE (FOR 2, 3 & 4 CONDUCTOR CABLES)

$$X = 2\pi \times f \times L \times I$$

X : 电抗 Reactance (Ω) f : 频率 Frequency (Hz)

L : 电感 Inductance (H/m) I : 导线长度 Conductor Length (m)

阻抗 IMPEDANCE (FOR 2, 3 & 4 CONDUCTOR CABLES)

$$Z = \sqrt{R^2 + X^2}$$

Z : 阻抗 Impedance (Ω)

R : 工作温度下电阻 Resistance at operating temp (Ω)

X : 电抗 Reactance (Ω)

压降 VOLTAGE DROP

■ 压降的计算方法如下所示 Calculation of voltage drop is performed as follows

★ 直流电路 In the case of DC circuit, given by :

$$V_d = 2 \times I \times L \times R_{dc}$$

★ 交流电路 In the case of AC circuit, given by :

单相两线系统 Single-phase two line system

$$V_d = 2 \times I \times L \times (R_{ac} \cos\theta + X \sin\theta)$$

三相三线系统 Three-phase three line system

$$V_d = \sqrt{3} \times I \times L \times (R_{ac} \cos\theta + X \sin\theta)$$

其中: V_d : 压降 Voltage drop (V)

I : 工作电流 Operating current (A)

L : 电缆长度 Cable length(km)

R_{dc} : 90°C直流导体电阻 DC conductor resistance at 90°C(Ω/km)

R_{ac} : 90°C交流导体电阻 AC conductor resistance at 90°C (Ω/km)

X : 电抗 Reactance (Ω/km) $\cos\theta$: 功率因素 Power factor ($\cos^2\theta = 1 - \sin^2\theta$)

TEMPERATURE CORRECTION FACTORS FOR CONDUCTOR RESISTANCE 导体电阻的温度校核系数

根据IEC60228规定的温度范围, 校核系数(Kc)及其倒数(Kr)的值见下表

The values of the correction factor (Kc) and reciprocal of factor (Kr) are given in following table for a normal range of temperatures in accordance with IEC Pub.60228.

具体公式如下:

The values are based on the following formula:

$$K_c = 1/[1+0.00393(t-20)]=254.5/(234.5+t)$$

$$K_r = 1/K_c$$

温度 Temperature	校正系数 Correction Factor	倒数 Reciprocal of Factor	温度 Temperature	校正系数 Correction Factor	倒数 Reciprocal of Factor
C	Kc	Kr	C	Kc	Kr
5	1.063	0.941	36	0.941	1.063
6	1.058	0.945	37	0.937	1.067
7	1.054	0.949	38	0.934	1.071
8	1.049	0.953	39	0.931	1.074
9	1.045	0.957	40	0.927	1.079
10	1.041	0.961	41	0.924	1.082
11	1.037	0.964	42	0.92	1.087
12	1.032	0.969	43	0.917	1.091
13	1.028	0.973	44	0.914	1.094
14	1.024	0.977	45	0.911	1.098
15	1.02	0.98	46	0.907	1.103
16	1.016	0.984	47	0.904	1.106
17	1.012	0.988	48	0.901	1.11
18	1.008	0.992	49	0.898	1.114
19	1.004	0.996	50	0.895	1.117
20	1	1	51	0.891	1.122
21	0.996	1.004	52	0.888	1.126
22	0.992	1.008	53	0.885	1.13
23	0.988	1.012	54	0.882	1.134
24	0.985	1.015	55	0.879	1.138
25	0.981	1.019	56	0.876	1.142
26	0.977	1.024	57	0.873	1.145
27	0.973	1.028	58	0.87	1.149
28	0.97	1.031	59	0.867	1.153
29	0.966	1.035	60	0.864	1.157
30	0.962	1.04	65	0.85	1.176
31	0.959	1.043	70	0.836	1.196
32	0.955	1.047	75	0.822	1.217
33	0.951	1.052	80	0.809	1.236
34	0.948	1.055	85	0.797	1.255
35	0.944	1.059	90	0.784	1.276

CURRENT RATINGS FOR CONTINUOUS SERVICE (IEC 60092-352) 连续工作条件下的额定电流

标称截面积 Nominal Cross Section Area	90 °C		
	单芯Single core	双芯Double core	三/四芯Three/Four core
mm ²	A	A	A
0.5	10	8.5	7
0.75	15	13	11
1.0	18	15	13
1.5	23	20	16
2.5	30	26	21
4	40	34	28
6	52	44	36
10	72	61	50
16	96	82	67
25	127	108	89
35	157	133	110
50	196	167	137
70	242	206	169
95	293	249	205
120	339	288	237
150	389	331	272
185	444	377	311
240	522	444	365
300	601	511	421

Note

1. 导体最大允许工作温度90°C。

Maximum permissible service temperature of the conductor is 90°C.

2. 上表所给出的额定电流值是基于环境温度为45°C的条件下得出的。

The current ratings given above are based on an ambient air temperature of 45°C.

3. 上述值是由6个或是少于6个电缆成束置于一一起而得出，当一束多余6个电缆置于一一起时，上述值的修正系数为0.85。

The current ratings given above are for 6 cables of less bunched or laid together in flat formation. When more than 6 cables are bunched or laid close together, the current ratings given above should be multiplied by correction factor 0.85.

4. 四芯以上的电缆，额定电流由以下公式得出。

For cables with more than four core cables, the current ratings are calculated by the following formula.

$$I = \frac{I_1}{\sqrt[3]{N}}$$

其中，I₁:单芯电缆电流 Current for single core cable, N:电缆芯数 Number of cores.

不同环境温度的校正系数 CORRECTION FACTORS FOR VARIOUS AMBIENT AIR TEMPERATURE

导体最高温度 Maximum Conductor Temperature	环境温度的修正系数 Correction Factors for Ambient Air Temperature										
	35	40	45	50	55	60	65	70	75	80	
90	1.10	1.05	1.00	0.94	0.88	0.82	0.74	0.67	0.58	0.47	

SHORT CIRCUIT CURRENT RATINGS 短路电流

■ 此处所列举的是电缆在导体最大允许工作温度90°C下工作时的短路电流。

The short circuit currents quoted here are for cables operating normally at maximum conductor temperature of 90°C.

■ XLPE&EPR 绝缘实际上能承受短期的250°C的温度。

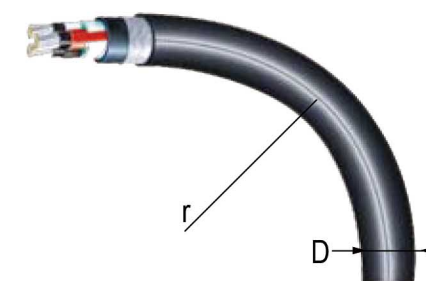
XLPE&EPR insulation is actually capable of withstanding short-term temperature up to 250°C.

标称截面积 Nominal Area	短路电流 Short Circuit Current(kA)														
	持续时间 Duration of Short Circuit in Second														
mm ²	0.03	0.05	0.07	0.1	0.14	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	
1.5	1.2	1.0	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	
2.5	2.1	1.6	1.4	1.1	1.0	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.4	0.4	
4	3.3	2.6	2.2	1.8	1.5	1.3	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.6	
6	5.0	3.8	3.2	2.7	2.3	1.9	1.6	1.4	1.2	1.1	1.0	1.0	0.9	0.9	
10	8.3	6.4	5.4	4.5	3.8	3.2	2.6	2.3	2.0	1.8	1.7	1.6	1.5	1.4	
16	13.2	10.2	8.7	7.2	6.1	5.1	4.2	3.6	3.2	3.0	2.7	2.6	2.4	2.3	
25	20.7	16.0	13.5	11.3	9.6	8.0	6.5	5.7	5.1	4.6	4.3	4.0	3.8	3.6	
35	28.9	22.4	18.9	15.8	13.4	11.2	9.1	7.9	7.1	6.5	6.0	5.6	5.3	5.0	
50	41.3	32.0	27.0	22.6	19.1	16.0	13.1	11.3	10.1	9.2	8.6	8.0	7.5	7.2	
70	57.8	44.8	37.9	31.7	26.8	22.4	18.3	15.8	14.2	12.9	12.0	11.2	10.6	10.0	
95	78.5	60.8	51.4	43.0	36.3	30.4	24.8	21.5	19.2	17.5	16.2	15.2	14.3	13.6	
120	99.1	76.8	64.9	54.3	45.9	38.4	31.3	27.1	24.3	22.2	20.5	19.2	18.1	17.2	
150	123.9	96.0	81.1	67.9	57.4	48.0	39.2	33.9	30.4	27.7	25.7	24.0	22.6	21.5	
185	152.8	118.4	100.0	83.7	70.7	59.2	48.3	41.9	37.4	34.2	31.6	29.6	27.9	26.5	
240	198.3	153.6	129.8	108.6	91.8	76.8	62.7	54.3	48.6	44.3	41.0	38.4	36.2	34.3	
300	247.8	192.0	162.2	135.7	114.7	96.0	78.4	67.9	60.7	55.4	51.3	48.0	45.2	42.9	
400	330.4	256.0	216.3	181.0	153.0	128.0	104.5	90.5	80.9	73.9	68.4	64.0	60.3	57.2	
500	413.0	319.9	270.4	226.2	191.2	160.0	130.6	113.1	101.2	92.4	85.5	80.0	75.4	71.5	

MINIMUM BENDING RADIUS 最小弯曲半径

电缆安装时的半径不应该超过如下给出的值

The bending radius for the installation of cables should be not less than the values given as follows:



电缆类型 Type of Cable		最小弯曲半径 Min Bending Radius
1.8/3kV及下 Up to 1.8/3kV	无铠装或无编织层 Unarmored or Unbraided	D≤25mm 4D
	金属编织屏蔽或铠装 Metal Braid Screened or Armored	D>25mm 6D
		金属带屏蔽 Tape Screened
3.6/6kV及以上 3.6/6kV Above	单芯 Single core	12D
	三芯 3-core	9D