



中天科技装备电缆--海工电缆

ZTT Industrial Wire & Cable System--Offshore Cable

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

地址：江苏省南通市经济技术开发区新开南路19号
Add:19# Xinkainan Road, Nantong Economic & Technological Development Zone, Jiangsu
Tel: 86-513-8905 9070
Fax: 86-513-8905 9076
P.C.: 226009
Http: www.chinaztt.com
E-mail: zttic@chinaztt.com

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



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COMPANY PROFILE 公司简介

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719室，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10多个系列、100多个品种，并拥有20余项专利。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、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，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，总投资5亿元人民币。

■ 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、核电站电缆）、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、RS和RINA的工厂型式认可和产品认可。

■ 一流的技术研发能力

中天科技装备电缆有限公司与北京化工大学材料科学与工程学院联合成立了“中天科技—北京化工大学电缆新材料研发中心”，致力于各类特种电缆用绝缘和护套料、耐高温（高、低）、耐油等材料的研究与开发。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试验室，检测中心已获得CNAS认证。监测产品质量的稳定可靠，以及阻燃、耐火、毒性指数等关键性能的测试。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

科技创新，精益生产，创行业第一品牌；诚信经营，超越期望，做用户首选伙伴。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。

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！

Zhongtian Technology Co.,Ltd(abbr. ZTT hereafter)the head-quarter located in Block B TongTai Building Jinrong Road XiCheng district , Beijing, 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 ten series, over one hundred types and more than 20 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 RMB500, 000,000 with registered capital RMB438, 000,000.

■ Plentiful Product & Advanced Equipment

The products family of Zhongtian Technology Industrial Wire & Cable System Co., Ltd 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 RMB2000, 000,000. And the marine and offshore cable has been appraised by ABS, BV, CCS, DNV, GL, KR, LR, NK, RS and RINA so far.

■ Advanced R&D Capabilities

Zhongtian Technology Industrial Wire & Cable System Co., Ltd and Beijing University of Chemical Technology built “ZTTBeijing University of Chemical Technology Research Center of New Cable Materials” together. 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, the testing center has been certificated by CNAS, 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: Technology Innovation, Lean Production, Establish A Top Brand; Sincerity Business, Beyond Expectation, Being Customers' First Partner. 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.

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

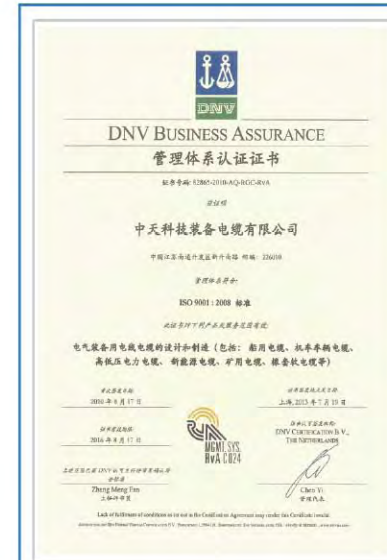


CERTIFICATES BY CLASSIFICATION SOCIETY 船级社证书



CERTIFICATES BY CLASSIFICATION SOCIETY

SYSTEM CERTIFICATE 体系认证证书



ISO 9001:2008

ISO 14001:2004

OHSAS 18001:2007

CABLE CODE DESIGNATION 型号说明

材料 Materials	绝缘 Insulation	内护套/内衬层 Inner covering Inner sheath	铠装/屏蔽 Armor/screen	外护套 Outer Sheath
耐火层+绝缘 (无卤) Fire resistance tape+ insulation(Halogen-free)	B			
乙丙橡胶 Ethylene Propylene Rubber (EPR)	R			
交联聚乙烯 Cross-linked polyethylene (XLPE)	T			
热固性无卤聚烯烃 Halogen-free thermoset compound, SHF2	U			
内衬层/内衬带 (无卤) Inner covering or taping(Halogen-free)		F		
无铠装 No armour			X	
铜丝编织 (裸铜或镀锡) Copper wire braid (Tinned or bare)			O	
热固性无卤聚烯烃 Halogen-free thermoset compound, SHF2				U
热固性耐泥浆无卤聚烯烃 Halogen-free mud resistance thermoset compound, SHF Mud				U

附加说明 ADDED ABBREVIATION

(i)	分屏蔽	Individual Screen
(c)	总屏蔽	Collectively Screen

型号/Designation	船缆类型代码 /Cable type code	
	H/F	H/F&M/R
3.6/6kV RFOU, IFOU	P2	P2/P9
6/10kV RFOU, IFOU	P3	P3/P10
8.7/15kV RFOU, IFOU	P4	P4/P11
12/20kV RFOU, IFOU	P19	P19/P21
18/30kV RFOU, IFOU	P20	P20/P22
0.6/1 kV RFOU, IFOU	P1	P1/P8
0.6/1 kV BFOU	P5	P5/P12
0.6/1 kV UX	P15	
0.6/1 kV BU	P17	
0.6/1 kV RU	P18	
150/250V RFOU(i)	S1	S1/S5
150/250V RFOU(c)	S2	S2/S6
150/250V BFOU(i)	S3	S3/S7
150/250V BFOU(c)	S4	S4/S8
150/250V RU(i)	S11	
150/250V RU(c)	S12	
150/250V BU(i)	S13	
150/250V BU(c)	S14	

Note:
H/F:无卤电缆 (Halogen free cable)
H/F&M/R:无卤耐泥浆电缆 (Halogen free & Mud resistant cable)



OFFSHORE HV POWER CABLES

海工高压电缆

OFFSHORE HV POWER CABLES
海工高压电缆



电缆型号 CABLE DESIGNATION
P2, P3, P4, P19, P20, P2/P9, P3/P10, P4/P11, P19/P21, P20/P22
3.6/6kV, 6/10kV, 8.7/15kV, 12/20kV, 18/30kV RFOU, TFOU

参照标准 APPLICATION STANDARD

设计 Design Guide	NEK TS 606& 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
低烟 Low Smoke	IEC 61034
无卤 Halogen Free	IEC 60754
耐泥浆 Mud resistant	NEK TS 606 (Mud type only)
低温弯曲 Cold bend (-40°C)	IEC 60092-350
低温冲击 Cold impact (-35°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	代号 Code	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	R T	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 screening		镀锡铜丝编制 Tinned copper wire braid
内护套 Inner covering	F	无卤聚合物 Halogen free compound
编织/铠装 Braid/Armor	O	镀锡铜丝 Tinned copper wire
外护套 Outer sheath	U	热固性无卤聚烯烃SHF2 Halogen-free thermoset compound 热固性耐泥浆无卤聚烯烃SHF Mud Halogen-free mud resistant thermoset compound
线芯标识 Core Identification		芯数 No. of cores
		标识方法 Identification
		单芯 Single core 三芯 Three cores 注: 外护套颜色为红色 Note: The color of outer sheath is Red



乙丙橡胶绝缘高压电力电缆
OFFSHORE CABLES FOR HV POWER

3.6/6kV RFOU

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	20.4	1.1	1.84	12.5	658
1×16	2.5	1.0	0.3	1.5	21.6	1.2	1.16	12.5	764
1×25	2.5	1.0	0.3	1.5	23.0	1.2	0.734	12.5	906
1×35	2.5	1.0	0.3	1.6	24.2	1.3	0.529	12.5	1050
1×50	2.5	1.0	0.3	1.6	26.0	1.3	0.391	12.5	1273
1×70	2.5	1.0	0.3	1.7	28.0	1.4	0.270	12.5	1555
1×95	2.5	1.0	0.3	1.8	30.0	1.4	0.195	12.5	1873
1×120	2.5	1.0	0.3	1.8	31.6	1.5	0.154	12.5	2175
1×150	2.5	1.0	0.3	1.9	33.2	1.6	0.126	12.5	2488
1×185	2.5	1.0	0.3	1.9	35.4	1.6	0.100	12.5	2911
1×240	2.6	1.2	0.3	2.0	38.4	1.7	0.0762	12.5	3596
1×300	2.8	1.2	0.4	2.2	42.4	1.9	0.0607	12.5	4434
1×400	3.0	1.2	0.4	2.3	45.6	2.0	0.0475	12.5	5432
3×10	2.5	1.2	0.3	2.0	38.0	1.7	1.84	12.5	2172
3×16	2.5	1.2	0.4	2.1	40.8	1.8	1.16	12.5	2619
3×25	2.5	1.2	0.4	2.2	44.0	1.9	0.734	12.5	3157
3×35	2.5	1.2	0.4	2.3	46.2	2.0	0.529	12.5	3632
3×50	2.5	1.4	0.4	2.5	51.0	2.1	0.391	12.5	4563
3×70	2.5	1.4	0.4	2.6	55.0	2.3	0.270	12.5	5538
3×95	2.5	1.4	0.4	2.8	59.4	2.4	0.195	12.5	6699
3×120	2.5	1.6	0.4	2.9	63.4	2.6	0.154	12.5	7864
3×150	2.5	1.6	0.4	3.0	66.8	2.7	0.126	12.5	8982

6/10kV RFOU

1×16	3.4	1.0	0.3	1.6	24.0	1.2	1.16	21	902
1×25	3.4	1.0	0.3	1.6	25.8	1.3	0.734	21	1102
1×35	3.4	1.0	0.3	1.7	27.0	1.3	0.529	21	1255
1×50	3.4	1.0	0.3	1.7	28.4	1.4	0.391	21	1438
1×70	3.4	1.0	0.3	1.8	30.4	1.5	0.270	21	1731
1×95	3.4	1.0	0.3	1.8	32.2	1.5	0.195	21	2043
1×120	3.4	1.0	0.3	1.9	34.0	1.6	0.154	21	2371
1×150	3.4	1.2	0.3	2.0	36.0	1.6	0.126	21	2732
1×185	3.4	1.2	0.3	2.0	38.2	1.7	0.100	21	3170
1×240	3.4	1.2	0.4	2.1	41.0	1.8	0.0762	21	3893
1×300	3.4	1.2	0.4	2.2	44.0	1.9	0.0607	21	4600
1×400	3.4	1.2	0.4	2.3	46.8	2.0	0.0475	21	5561
3×16	3.4	1.2	0.4	2.3	46.0	2.0	1.16	21	3195
3×25	3.4	1.4	0.4	2.5	50.6	2.1	0.734	21	4024
3×35	3.4	1.4	0.4	2.5	52.6	2.2	0.529	21	4499
3×50	3.4	1.4	0.4	2.7	56.2	2.3	0.391	21	5260
3×70	3.4	1.4	0.4	2.8	60.2	2.5	0.270	21	6283
3×95	3.4	1.6	0.4	2.9	64.8	2.6	0.195	21	7536
3×120	3.4	1.6	0.4	3.1	68.4	2.7	0.154	21	8689
3×150	3.4	1.6	0.4	3.2	71.8	2.8	0.126	21	9848

8.7/15kV RFOU

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	28.6	1.4	0.734	30.5	1298
1×35	4.5	1.0	0.3	1.7	29.6	1.4	0.529	30.5	1444
1×50	4.5	1.0	0.3	1.8	31.2	1.5	0.391	30.5	1651
1×70	4.5	1.0	0.3	1.9	33.2	1.6	0.270	30.5	1957
1×95	4.5	1.0	0.3	1.9	35.0	1.6	0.195	30.5	2281
1×120	4.5	1.2	0.3	2.0	37.2	1.7	0.154	30.5	2661
1×150	4.5	1.2	0.3	2.0	38.6	1.7	0.126	30.5	2974
1×185	4.5	1.2	0.4	2.1	41.4	1.8	0.100	30.5	3531
1×240	4.5	1.2	0.4	2.2	43.8	1.9	0.0762	30.5	4192
1×300	4.5	1.2	0.4	2.3	46.8	2.0	0.0607	30.5	4917
1×400	4.5	1.4	0.4	2.4	50.0	2.1	0.0475	30.5	5952
3×25	4.5	1.4	0.4	2.6	56.4	2.3	0.734	30.5	4815
3×35	4.5	1.4	0.4	2.7	58.6	2.4	0.529	30.5	5349
3×50	4.5	1.6	0.4	2.9	62.6	2.5	0.391	30.5	6233
3×70	4.5	1.6	0.4	3.0	66.6	2.7	0.270	30.5	7317
3×95	4.5	1.6	0.4	3.1	70.8	2.8	0.195	30.5	8560
3×120	4.5	1.6	0.4	3.2	74.2	2.9	0.154	30.5	9725
3×150	4.5	1.6	0.4	3.4	78.0	3.0	0.126	30.5	10998

12/20kV RFOU

1×35	5.5	1.0	0.3	1.8	31.8	1.5	0.529	42	1618
1×50	5.5	1.0	0.3	1.9	33.4	1.6	0.391	42	1834
1×70	5.5	1.0	0.3	1.9	35.2	1.6	0.270	42	2131
1×95	5.5	1.2	0.3	2.0	37.6	1.7	0.195	42	2524
1×120	5.5	1.2	0.4	2.1	39.8	1.8	0.154	42	2957
1×150	5.5	1.2	0.4	2.1	41.2	1.8	0.126	42	3280
1×185	5.5	1.2	0.4	2.2	43.6	1.9	0.100	42	3769
1×240	5.5	1.2	0.4	2.3	46.0	2.0	0.0762	42	4441
1×300	5.5	1.2	0.4	2.4	49.0	2.1	0.0607	42	5182
1×400	5.5	1.4	0.4	2.5	52.2	2.2	0.0475	42	6233
3×35	5.5	1.6	0.4	2.9	63.8	2.6	0.529	42	6176
3×50	5.5	1.6	0.4	3.0	67.2	2.7	0.391	42	6998
3×70	5.5	1.6	0.4	3.2	71.2	2.8	0.270	42	8125
3×95	5.5	1.6	0.4	3.3	75.6	3.0	0.195	42	9455
3×120	5.5	1.8	0.4	3.4	79.4	3.1	0.154	42	10748
3×150	5.5	1.8	0.4	3.6	83.0	3.2	0.126	42	12023

18/30kV RFOU

1×50	8.0	1.2	0.4	2.1	39.6	1.8	0.391	63	2467
1×70	8.0	1.2	0.4	2.2	41.6	1.8	0.270	63	2814
1×95	8.0	1.2	0.4	2.2	43.4	1.9	0.195	63	3175
1×120	8.0	1.2	0.4	2.3	45.2	2.0	0.154	63	3553
1×150	8.0	1.2	0.4	2.3	46.6	2.0	0.126	63	3894
1×185	8.0	1.4	0.4	2.4	49.4	2.1	0.100	63	4467
1×240	8.0	1.4	0.4	2.5	51.8	2.2	0.0762	63	5172
1×300	8.0	1.4	0.4	2.6	54.8	2.3	0.0607	63	5955
1×400	8.0	1.4	0.4	2.7	57.6	2.4	0.0475	63	6987
3×50	8.0	1.8	0.4	3.5	79.4	3.1	0.391	63	9298
3×70	8.0	1.8	0.4	3.6	83.2	3.2	0.270	63	10496
3×95	8.0	1.8	0.4	3.7	87.6	3.4	0.195	63	11953
3×120	8.0	1.8	0.4	3.9	91.2	3.5	0.154	63	13305
3×150	8.0	1.8	0.4	4.0	94.6	3.6	0.126	63	14628

交联聚乙烯绝缘高压电力电缆

HV POWER CABLE

3.6/6kV TFOU

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	20.0	1.1	1.84	12.5	612
1×16	2.5	1.0	0.3	1.5	21.2	1.2	1.16	12.5	714
1×25	2.5	1.0	0.3	1.5	22.6	1.2	0.734	12.5	850
1×35	2.5	1.0	0.3	1.6	23.8	1.2	0.529	12.5	989
1×50	2.5	1.0	0.3	1.6	25.6	1.3	0.391	12.5	1206
1×70	2.5	1.0	0.3	1.7	27.6	1.4	0.270	12.5	1480
1×95	2.5	1.0	0.3	1.8	29.6	1.4	0.195	12.5	1791
1×120	2.5	1.0	0.3	1.8	31.2	1.5	0.154	12.5	2086
1×150	2.5	1.0	0.3	1.9	32.8	1.5	0.126	12.5	2393
1×185	2.5	1.0	0.3	1.9	35.0	1.6	0.100	12.5	2807
1×240	2.6	1.2	0.3	2.0	38.0	1.7	0.0762	12.5	3478
1×300	2.8	1.2	0.4	2.2	42.0	1.8	0.0607	12.5	4294
1×400	3.0	1.2	0.4	2.3	45.2	2.0	0.0475	12.5	5270
3×10	2.5	1.2	0.3	2.0	37.2	1.7	1.84	12.5	2022
3×16	2.5	1.2	0.4	2.1	40.0	1.8	1.16	12.5	2456
3×25	2.5	1.2	0.4	2.2	43.2	1.9	0.734	12.5	2973
3×35	2.5	1.2	0.4	2.3	45.4	2.0	0.529	12.5	3425
3×50	2.5	1.4	0.4	2.5	50.2	2.1	0.391	12.5	4331
3×70	2.5	1.4	0.4	2.6	54.0	2.2	0.270	12.5	5264
3×95	2.5	1.4	0.4	2.8	58.6	2.4	0.195	12.5	6414
3×120	2.5	1.6	0.4	2.9	62.4	2.5	0.154	12.5	7535
3×150	2.5	1.6	0.4	3.0	65.8	2.6	0.126	12.5	8631

6/10kV TFOU

1×16	3.4	1.0	0.3	1.6	23.6	1.2	1.16	21	834
1×25	3.4	1.0	0.3	1.6	25.4	1.3	0.734	21	1026
1×35	3.4	1.0	0.3	1.7	26.6	1.3	0.529	21	1174
1×50	3.4	1.0	0.3	1.7	28.0	1.4	0.391	21	1349
1×70	3.4	1.0	0.3	1.8	30.0	1.4	0.270	21	1632
1×95	3.4	1.0	0.3	1.8	31.8	1.5	0.195	21	1935
1×120	3.4	1.0	0.3	1.9	33.6	1.6	0.154	21	2254
1×150	3.4	1.2	0.3	2.0	35.6	1.6	0.126	21	2607
1×185	3.4	1.2	0.3	2.0	37.8	1.7	0.100	21	3033
1×240	3.4	1.2	0.4	2.1	40.6	1.8	0.0762	21	3744
1×300	3.4	1.2	0.4	2.2	43.6	1.9	0.0607	21	4435
1×400	3.4	1.2	0.4	2.3	46.4	2.0	0.0475	21	5383
3×16	3.4	1.2	0.4	2.3	45.2	2.0	1.16	21	2963
3×25	3.4	1.4	0.4	2.5	49.8	2.1	0.734	21	3777
3×35	3.4	1.4	0.4	2.5	51.8	2.2	0.529	21	4236
3×50	3.4	1.4	0.4	2.7	55.4	2.3	0.391	21	4971
3×70	3.4	1.4	0.4	2.8	59.2	2.4	0.270	21	5931
3×95	3.4	1.6	0.4	2.9	64.0	2.6	0.195	21	7182
3×120	3.4	1.6	0.4	3.1	67.6	2.7	0.154	21	8309
3×150	3.4	1.6	0.4	3.2	71.0	2.8	0.126	21	9425

8.7/15kV TFOU

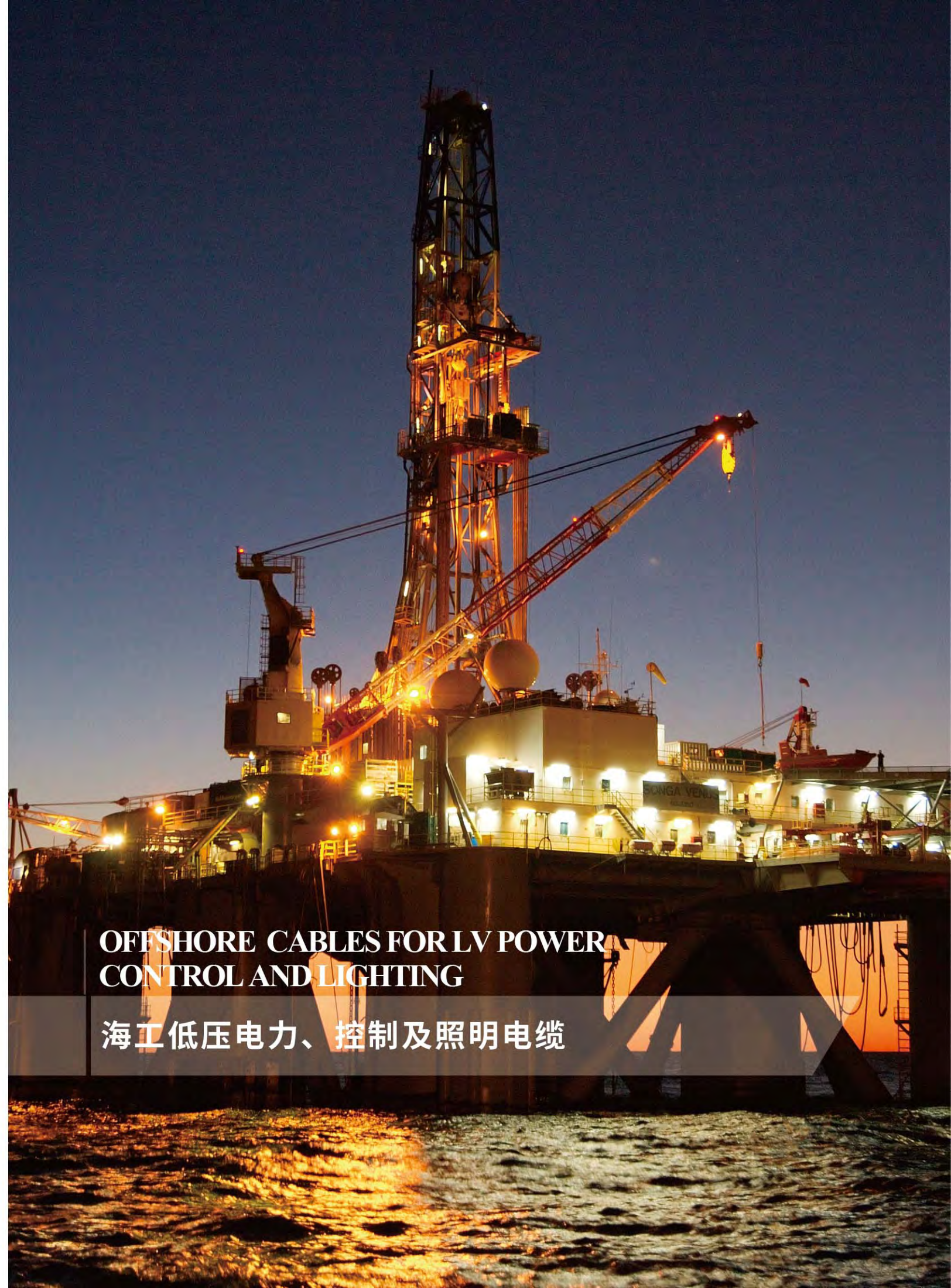
No. ×mm ²	Thickness of insulation	Thickness of inner covering	Dia. of braiding wire	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	mm	mm	±mm	Ω/km	kV/5min	kg/km
1×25	4.5	1.0	0.3	1.7	27.8	1.4	0.734	30.5	1171
1×35	4.5	1.0	0.3	1.7	28.8	1.4	0.529	30.5	1309
1×50	4.5	1.0	0.3	1.8	30.4	1.5	0.391	30.5	1505
1×70	4.5	1.0	0.3	1.9	32.4	1.5	0.270	30.5	1797
1×95	4.5	1.0	0.3	1.9	34.2	1.6	0.195	30.5	2106
1×120	4.5	1.2	0.3	2.0	36.4	1.7	0.154	30.5	2473
1×150	4.5	1.2	0.3	2.0	37.8	1.7	0.126	30.5	2775
1×185	4.5	1.2	0.4	2.1	40.6	1.8	0.100	30.5	3314
1×240	4.5	1.2	0.4	2.2	43.0	1.9	0.0762	30.5	3956
1×300	4.5	1.2	0.4	2.3	46.0	2.0	0.0607	30.5	4660
1×400	4.5	1.4	0.4	2.4	49.2	2.1	0.0475	30.5	5673
3×25	4.5	1.4	0.4	2.6	54.8	2.3	0.734	30.5	4377
3×35	4.5	1.4	0.4	2.7	56.8	2.3	0.529	30.5	4868
3×50	4.5	1.6	0.4	2.9	61.0	2.5	0.391	30.5	5728
3×70	4.5	1.6	0.4	3.0	64.8	2.6	0.270	30.5	6730
3×95	4.5	1.6	0.4	3.1	69.2	2.8	0.195	30.5	7958
3×120	4.5	1.6	0.4	3.2	72.6	2.9	0.154	30.5	9082
3×150	4.5	1.6	0.4	3.4	76.2	3.0	0.126	30.5	10290

12/20kV TFOU

1×35	5.5	1.0	0.3	1.8	31.0	1.5	0.529	42	1456
1×50	5.5	1.0	0.3	1.9	32.6	1.5	0.391	42	1657
1×70	5.5	1.0	0.3	1.9	34.4	1.6	0.270	42	1939
1×95	5.5	1.2	0.3	2.0	36.8	1.7	0.195	42	2313
1×120	5.5	1.2	0.4	2.1	39.0	1.7	0.154	42	2732
1×150	5.5	1.2	0.4	2.1	40.4	1.8	0.126	42	3042
1×185	5.5	1.2	0.4	2.2	42.8	1.9	0.100	42	3511
1×240	5.5	1.2	0.4	2.3	45.2	2.0	0.0762	42	4162
1×300	5.5	1.2	0.4	2.4	48.2	2.1	0.0607	42	4878
1×400	5.5	1.4	0.4	2.5	51.4	2.2	0.0475	42	5904
3×35	5.5	1.6	0.4	2.9	62.0	2.5	0.529	42	5583
3×50	5.5	1.6	0.4	3.0	65.4	2.6	0.391	42	6357
3×70	5.5	1.6	0.4	3.2	69.6	2.8	0.270	42	7468
3×95	5.5	1.6	0.4	3.3	73.8	2.9	0.195	42	8698
3×120	5.5	1.8	0.4	3.4	77.6	3.0	0.154	42	9941
3×150	5.5	1.8	0.4	3.6	81.4	3.2	0.126	42	11212

18/30kV TFOU

1×50	8.0	1.2	0.4	2.1	39.6	1.8	0.391	63	2250
1×70	8.0	1.2	0.4	2.2	41.6	1.8	0.270	63	2579
1×95	8.0	1.2	0.4	2.2	43.4	1.9	0.195	63	2919
1×120	8.0	1.2	0.4	2.3	45.2	2.0	0.154	63	3280
1×150	8.0	1.2	0.4	2.3	46.6	2.0	0.126	63	3604
1×185	8.0	1.4	0.4	2.4	49.4	2.1	0.100	63	4154
1×240	8.0	1.4	0.4	2.5	51.8	2.2	0.0762	63	4834
1×300	8.0	1.4	0.4	2.6	54.8	2.3	0.0607	63	5587
1×400	8.0	1.4	0.4	2.7	57.6	2.4	0.0475	63	6590
3×50	8.0	1.8	0.4	3.5	79.4	3.1	0.391	63	8642
3×70	8.0	1.8	0.4	3.6	83.2	3.2	0.270	63	9782
3×95	8.0	1.8	0.4	3.7	87.6	3.4	0.195	63	11175
3×120	8.0	1.8	0.4	3.9	91.2	3.5	0.154	63	12477
3×150	8.0	1.8	0.4	4.0	94.6	3.6	0.126	63	13750



OFFSHORE CABLES FOR LV POWER CONTROL AND LIGHTING

海工低压电力、控制及照明电缆

OFFSHORE CABLES FOR LV POWER, CONTROL AND LIGHTING
海工低压电力、控制及照明电缆



电缆型号 CABLE DESIGNATION P18
0.6/1kV RU

参照标准 APPLICATION STANDARD

设计 Design Guide	NEK TS 606& 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
低烟 Low Smoke	IEC 61034
无卤 Halogen Free	IEC 60754
低温弯曲 Cold bend (-40°C)	IEC 60092-350
低温冲击 Cold impact (-35°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	代号 Code	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
绝缘 Insulation	R	乙丙橡胶 Ethylene propylene rubber (EPR)
外护套 Outer sheath	U	热固性无卤聚烯烃SHF2 Halogen-free thermoset compound
线芯标识 Core Identification	芯数 No. of cores	标识方法 Identification
	单芯 1 core	灰白 Off-white
	两芯 2 cores	灰白、黑 Off-White, Black
	2+G	灰白、黑、黄绿 Off-White, Black, Y/G
	三芯 3 cores	灰白、黑、红 Off-White, Black, Red
	3+G	灰白、黑、红、黄绿 Off-White, Black, Red, Y/G
	四芯 4 cores	灰白、黑、红、蓝 Off-White, Black, Red, Blue
	4+G	灰白、黑、红、蓝、黄绿 Off-White, Black, Red, Blue, Y/G
五芯及以上 Above 5 cores	白的绝缘印黑色数字 Black No. on white insulation	
注:黄绿线表示地线 Note: Y/G (Yellow/Green) is the earth core		

0.6/1kV RU

No. × mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	±mm	Ω/km	V/5min	kg/km
1×1.5	1.0	1.0	5.6	0.8	12.2	3500	66
1×2.5	1.0	1.0	6.0	0.8	7.56	3500	80
1×4	1.0	1.0	6.6	0.8	4.70	3500	100
1×6	1.0	1.0	7.2	0.8	3.11	3500	123
1×10	1.0	1.0	8.2	0.8	1.84	3500	165
1×16	1.0	1.1	9.2	0.8	1.16	3500	234
1×25	1.2	1.1	11.6	0.9	0.734	3500	345
1×35	1.2	1.2	12.6	0.9	0.529	3500	442
1×50	1.4	1.2	14.6	1.0	0.391	3500	592
1×70	1.4	1.3	16.4	1.0	0.270	3500	772
1×95	1.6	1.4	19.0	1.1	0.195	3500	1050
1×120	1.6	1.4	20.4	1.1	0.154	3500	1287
1×150	1.8	1.5	22.6	1.2	0.126	3500	1577
1×185	2.0	1.6	25.2	1.3	0.100	3500	1959
1×240	2.2	1.7	28.2	1.4	0.0762	3500	2545
1×300	2.4	1.8	31.4	1.5	0.0607	3500	3157
2×1.5	1.0	1.1	10.0	0.8	12.2	3500	145
2×2.5	1.0	1.1	10.8	0.8	7.56	3500	179
2×4	1.0	1.1	12.0	0.8	4.70	3500	233
2×6	1.0	1.2	13.2	0.9	3.11	3500	300
2×10	1.0	1.2	15.2	1.0	1.84	3500	415
2×16	1.0	1.3	17.2	1.0	1.16	3500	542
2×25	1.2	1.4	22.0	1.2	0.734	3500	858
2×35	1.2	1.5	24.0	1.2	0.529	3500	1094
2×50	1.4	1.7	28.2	1.4	0.391	3500	1500
2×70	1.4	1.8	31.8	1.5	0.270	3500	2028
2×95	1.6	1.9	36.6	1.7	0.195	3500	2726
2×120	1.6	2.0	39.8	1.8	0.154	3500	3354
2×150	1.8	2.2	44.0	1.9	0.126	3500	4101
2×185	2.0	2.3	49.2	2.1	0.100	3500	5106
2×240	2.2	2.6	55.2	2.3	0.0762	3500	6608
2×300	2.4	2.7	61.6	2.5	0.0607	3500	8214
3×1.5	1.0	1.1	10.6	0.8	12.2	3500	169
3×2.5	1.0	1.1	11.4	0.8	7.56	3500	212
3×4	1.0	1.2	13.0	0.9	4.70	3500	291
3×6	1.0	1.2	14.0	0.9	3.11	3500	367
3×10	1.0	1.3	16.4	1.0	1.84	3500	522
3×16	1.0	1.4	18.6	1.1	1.16	3500	689
3×25	1.2	1.5	23.8	1.2	0.734	3500	1082
3×35	1.2	1.6	25.8	1.3	0.529	3500	1388
3×50	1.4	1.7	30.2	1.5	0.391	3500	1890
3×70	1.4	1.9	34.2	1.6	0.270	3500	2595
3×95	1.6	2.0	39.4	1.8	0.195	3500	3498
3×120	1.6	2.1	42.8	1.9	0.154	3500	4332
3×150	1.8	2.3	47.4	2.0	0.126	3500	5307
3×185	2.0	2.5	53.2	2.2	0.100	3500	6631
3×240	2.2	2.7	59.4	2.4	0.0762	3500	8561
3×300	2.4	2.9	66.4	2.7	0.0607	3500	10675



ZTT
中天科技

No.×mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 °C	Test voltage	Approx. Weight
	mm	mm		±mm			
2×25+1×16	1.2	1.5	22.4	1.2	0.734	3500	1089
	1.0						
2×35+1×16	1.2	1.6	24.0	1.2	0.529	3500	1319
	1.0						
2×35+1×25	1.2	1.6	25.0	1.3	0.529	3500	1428
	1.2						
2×50+1×25	1.4	1.7	28.4	1.4	0.391	3500	1845
	1.2						
2×70+1×35	1.4	1.9	32.0	1.5	0.270	3500	2492
	1.2						
2×95+1×50	1.6	2.0	37.0	1.7	0.195	3500	3373
	1.4						
2×120+1×70	1.6	2.1	40.4	1.8	0.154	3500	4217
	1.4						
2×150+1×95	1.8	2.3	45.0	1.9	0.126	3500	5259
	1.6						
2×185+1×95	2.0	2.5	49.8	2.1	0.100	3500	6356
	1.6						
2×240+1×120	2.2	2.7	55.4	2.3	0.0762	3500	8123
	1.6						
4×1.5	1.0	1.1	11.6	0.8	12.2	3500	210
4×2.5	1.0	1.2	12.8	0.9	7.56	3500	273
4×4	1.0	1.2	14.2	0.9	4.70	3500	361
4×6	1.0	1.3	15.6	1.0	3.11	3500	473
4×10	1.0	1.3	18.0	1.0	1.84	3500	659
4×16	1.0	1.4	20.4	1.1	1.16	3500	871
4×25	1.2	1.6	26.4	1.3	0.734	3500	1386
4×35	1.2	1.7	28.8	1.4	0.529	3500	1795
4×50	1.4	1.8	33.6	1.6	0.391	3500	2433
4×70	1.4	2.0	38.0	1.7	0.270	3500	3349
4×95	1.6	2.2	44.0	1.9	0.195	3500	4545
4×120	1.6	2.3	47.8	2.0	0.154	3500	5634
4×150	1.8	2.5	52.8	2.2	0.126	3500	6882
4×185	2.0	2.7	59.2	2.4	0.100	3500	8596
4×240	2.2	2.9	66.2	2.7	0.0762	3500	11130
4×300	2.4	3.2	74.4	2.9	0.0607	3500	13939

No.×mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 °C	Test voltage	Approx. Weight
	mm	mm		±mm			
3×25+1×16	1.2	1.6	24.8	1.3	0.734	3500	1343
	1.0						
3×35+1×16	1.2	1.7	26.8	1.3	0.529	3500	1681
	1.0						
3×35+1×25	1.2	1.7	28.0	1.4	0.529	3500	1793
	1.2						
3×50+1×25	1.4	1.8	31.8	1.5	0.391	3500	2330
	1.2						
3×70+1×35	1.4	2.0	35.8	1.6	0.270	3500	3179
	1.2						
3×95+1×50	1.6	2.2	41.6	1.8	0.195	3500	4318
	1.4						
3×120+1×70	1.6	2.3	45.4	2.0	0.154	3500	5397
	1.4						
3×150+1×95	1.8	2.5	50.6	2.1	0.126	3500	6710
	1.6						
3×185+1×95	2.0	2.7	55.8	2.3	0.100	3500	8145
	1.6						
3×240+1×120	2.2	2.9	62.0	2.5	0.0762	3500	10450
	1.6						
4×25+1×16	1.2	1.7	27.8	1.4	0.734	3500	1651
	1.0						
4×35+1×16	1.2	1.8	30.0	1.4	0.529	3500	2076
	1.0						
4×35+1×25	1.2	1.8	31.2	1.5	0.529	3500	2189
	1.2						
4×50+1×25	1.4	2.0	35.6	1.6	0.391	3500	2876
	1.2						
4×70+1×35	1.4	2.1	40.0	1.8	0.270	3500	3917
	1.2						
4×95+1×50	1.6	2.3	46.4	2.0	0.195	3500	5321
	1.4						
4×120+1×70	1.6	2.5	51.0	2.1	0.154	3500	6691
	1.4						
4×150+1×95	1.8	2.7	56.8	2.3	0.126	3500	8289
	1.6						
4×185+1×95	2.0	2.9	62.6	2.5	0.100	3500	10094
	1.6						
4×240+1×120	2.2	3.2	70.0	2.8	0.0762	3500	13052
	1.6						

海工高压电缆

海工低电压、控制及照明电缆

海工控制、仪表及通信电缆

海工接地线



No.×mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	±mm	Ω/km	V/5min	kg/km
5×1.5	1.0	1.2	12.8	0.9	12.2	3500	256
7×1.5	1.0	1.2	13.8	0.9	12.2	3500	277
10×1.5	1.0	1.3	17.6	1.0	12.2	3500	423
12×1.5	1.0	1.4	18.4	1.1	12.2	3500	484
14×1.5	1.0	1.4	19.4	1.1	12.2	3500	528
16×1.5	1.0	1.4	20.4	1.1	12.2	3500	596
19×1.5	1.0	1.5	21.6	1.2	12.2	3500	679
24×1.5	1.0	1.6	25.4	1.3	12.2	3500	888
27×1.5	1.0	1.6	26.0	1.3	12.2	3500	971
30×1.5	1.0	1.7	27.2	1.4	12.2	3500	1053
37×1.5	1.0	1.8	29.4	1.4	12.2	3500	1261
5×2.5	1.0	1.2	13.8	0.9	7.56	3500	322
7×2.5	1.0	1.3	15.2	1.0	7.56	3500	368
10×2.5	1.0	1.4	19.4	1.1	7.56	3500	559
12×2.5	1.0	1.4	20.0	1.1	7.56	3500	630
14×2.5	1.0	1.5	21.2	1.2	7.56	3500	697
16×2.5	1.0	1.5	22.4	1.2	7.56	3500	789
19×2.5	1.0	1.6	23.8	1.2	7.56	3500	910
24×2.5	1.0	1.7	28.0	1.4	7.56	3500	1186
27×2.5	1.0	1.7	28.6	1.4	7.56	3500	1294
30×2.5	1.0	1.8	29.8	1.4	7.56	3500	1404
37×2.5	1.0	1.9	32.4	1.5	7.56	3500	1698
5×4	1.0	1.3	15.6	1.0	4.70	3500	438
7×4	1.0	1.3	17.0	1.0	4.70	3500	496
10×4	1.0	1.5	22.0	1.2	4.70	3500	767
12×4	1.0	1.5	22.8	1.2	4.70	3500	875
14×4	1.0	1.6	24.2	1.3	4.70	3500	971
16×4	1.0	1.6	25.4	1.3	4.70	3500	1093
19×4	1.0	1.7	27.0	1.3	4.70	3500	1261
24×4	1.0	1.8	31.8	1.5	4.70	3500	1641
27×4	1.0	1.9	32.8	1.5	4.70	3500	1824
30×4	1.0	1.9	34.0	1.6	4.70	3500	1962
37×4	1.0	2.0	36.8	1.7	4.70	3500	2365

OFFSHORE CABLES FOR LV POWER, CONTROL AND LIGHTING 海工低压电力、控制及照明电缆



电缆型号 CABLE DESIGNATION P1, P1/P8

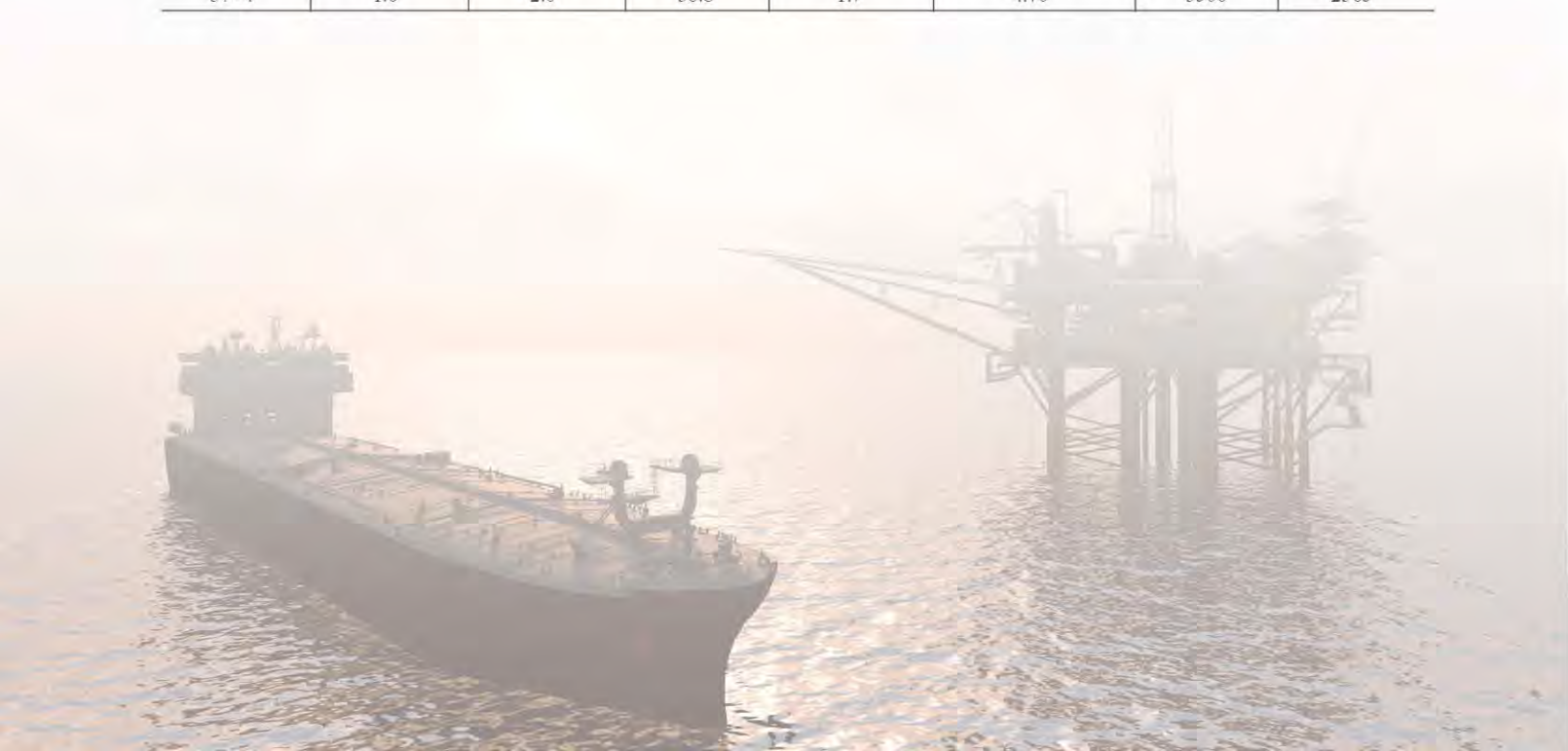
0.6/1kV RFOU TFOU

参照标准 APPLICATION STANDARD

设计 Design Guide	NEK TS 606& 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
低烟 Low Smoke	IEC 61034
无卤 Halogen free	IEC 60754
耐泥浆 Mud resistant	NEK TS 606 (Mud type only)
低温弯曲 Cold bend (-40°C)	IEC 60092-350
低温冲击 Cold impact (-35°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	代号 Code	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
绝缘 Insulation	R T	乙丙橡胶 Ethylene propylene rubber (EPR) 交联聚乙烯 Cross-linked Polyethylene(XLPE)
内护套 Inner covering	F	无卤聚合物 Halogen-free compound
编织/铠装 Braid/Ammor	O	镀锡铜丝 Tinned copper wire
外护套 Outer sheath	U	热固性无卤聚烯烃SHF2 Halogen-free thermoset compound 热固性耐泥浆无卤聚烯烃SHF Mud Halogen-free mud resistant thermoset compound
线芯标识 Core Identification	芯数 No. of cores	标识方法 Identification
	单芯 1 core	灰白 Off-white
	两芯 2 cores	灰白、黑 Off-White, Black
	2+G	灰白、黑、黄绿 Off-White, Black, Y/G
	三芯 3 cores	灰白、黑、红 Off-White, Black, Red
	3+G	灰白、黑、红、黄绿 Off-White, Black, Red, Y/G
	四芯 4 cores	灰白、黑、红、蓝 Off-White, Black, Red, Blue
4+G	灰白、黑、红、蓝、黄绿 Off-White, Black, Red, Blue, Y/G	
五芯及以上 Above 5 cores	白的绝缘印黑色数字 Black No. on white insulation	
注:黄绿线表示地线 Note: Y/G (Yellow/Green) is the earth core		



乙丙橡胶绝缘阻燃船用控制、照明及电力电缆
OFFSHORE CABLES FOR LV POWER, CONTROL AND LIGHTING

0.6/1kV RFOU

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					
1×1.5	1.0	1.0	0.2	1.0	8.4	0.8	12.2	3500	112
1×2.5	1.0	1.0	0.2	1.0	8.8	0.8	7.56	3500	128
1×4	1.0	1.0	0.2	1.0	9.4	0.8	4.70	3500	153
1×6	1.0	1.0	0.2	1.1	10.2	0.8	3.11	3500	190
1×10	1.0	1.0	0.2	1.1	11.2	0.8	1.84	3500	241
1×16	1.0	1.0	0.2	1.1	12.0	0.8	1.16	3500	307
1×25	1.2	1.0	0.2	1.2	14.6	0.9	0.734	3500	452
1×35	1.2	1.0	0.2	1.2	15.4	1.0	0.529	3500	550
1×50	1.4	1.0	0.3	1.3	18.0	1.0	0.391	3500	759
1×70	1.4	1.0	0.3	1.4	19.8	1.1	0.270	3500	988
1×95	1.6	1.0	0.3	1.5	22.4	1.2	0.195	3500	1298
1×120	1.6	1.0	0.3	1.5	23.8	1.2	0.154	3500	1555
1×150	1.8	1.0	0.3	1.6	26.0	1.3	0.126	3500	1874
1×185	2.0	1.0	0.3	1.7	28.6	1.4	0.100	3500	2286
1×240	2.2	1.0	0.3	1.8	31.6	1.5	0.0762	3500	2913
1×300	2.4	1.0	0.3	1.9	34.8	1.6	0.0607	3500	3563
2×1.5	1.0	1.0	0.2	1.1	12.8	0.9	12.2	3500	253
2×2.5	1.0	1.0	0.2	1.2	13.8	0.9	7.56	3500	303
2×4	1.0	1.0	0.2	1.2	15.0	0.9	4.70	3500	369
2×6	1.0	1.0	0.3	1.3	16.6	1.0	3.11	3500	480
2×10	1.0	1.0	0.3	1.3	18.6	1.1	1.84	3500	619
2×16	1.0	1.0	0.3	1.4	20.6	1.1	1.16	3500	773
2×25	1.2	1.0	0.3	1.5	25.4	1.3	0.734	3500	1143
2×35	1.2	1.0	0.3	1.6	27.4	1.4	0.529	3500	1410
2×50	1.4	1.0	0.3	1.8	31.6	1.5	0.391	3500	1869
2×70	1.4	1.0	0.3	1.9	35.2	1.6	0.270	3500	2442
2×95	1.6	1.2	0.3	2.0	40.4	1.8	0.195	3500	3247
2×120	1.6	1.2	0.4	2.2	44.2	1.9	0.154	3500	4032
2×150	1.8	1.2	0.4	2.3	48.2	2.1	0.126	3500	4825
2×185	2.0	1.4	0.4	2.5	54.0	2.2	0.100	3500	5998
2×240	2.2	1.4	0.4	2.7	59.8	2.4	0.0762	3500	7582
2×300	2.4	1.6	0.4	2.9	66.8	2.7	0.0607	3500	9404

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					
3×1.5	1.0	1.0	0.2	1.2	13.6	0.9	12.2	3500	290
3×2.5	1.0	1.0	0.2	1.2	14.4	0.9	7.56	3500	343
3×4	1.0	1.0	0.3	1.3	16.4	1.0	4.70	3500	467
3×6	1.0	1.0	0.3	1.3	17.4	1.0	3.11	3500	557
3×10	1.0	1.0	0.3	1.4	19.8	1.1	1.84	3500	742
3×16	1.0	1.0	0.3	1.5	22.0	1.2	1.16	3500	938
3×25	1.2	1.0	0.3	1.6	27.2	1.4	0.734	3500	1389
3×35	1.2	1.0	0.3	1.7	29.2	1.4	0.529	3500	1727
3×50	1.4	1.0	0.3	1.8	33.6	1.6	0.391	3500	2285
3×70	1.4	1.2	0.3	1.9	37.8	1.7	0.27	3500	3062
3×95	1.6	1.2	0.4	2.1	43.6	1.9	0.195	3500	4144
3×120	1.6	1.2	0.4	2.3	47.2	2.0	0.154	3500	5060
3×150	1.8	1.4	0.4	2.4	52.0	2.2	0.126	3500	6143
3×185	2.0	1.4	0.4	2.6	57.8	2.4	0.100	3500	7566
3×240	2.2	1.6	0.4	2.8	64.4	2.6	0.0762	3500	9680
3×300	2.4	1.6	0.4	3.0	71.4	2.8	0.0607	3500	11917
2×25+1×16	1.2	1.0	0.3	1.6	25.8	1.3	0.734	3500	1388
	1.0						1.16	3500	
2×35+1×16	1.2	1.0	0.3	1.7	27.4	1.4	0.529	3500	1649
	1.0						1.16	3500	
2×35+1×25	1.2	1.0	0.3	1.7	28.4	1.4	0.529	3500	1765
	1.2						0.734	3500	
2×50+1×25	1.4	1.0	0.3	1.8	31.8	1.5	0.391	3500	2234
	1.2						0.734	3500	
2×70+1×35	1.4	1.2	0.3	1.9	35.6	1.6	0.270	3500	2947
	1.2						0.529	3500	
2×95+1×50	1.6	1.2	0.4	2.1	41.2	1.8	0.195	3500	4008
	1.4						0.391	3500	
2×120+1×70	1.6	1.2	0.4	2.3	44.8	1.9	0.154	3500	4934
	1.4						0.270	3500	
2×150+1×95	1.8	1.4	0.4	2.4	49.6	2.1	0.126	3500	6083
	1.6						0.195	3500	
2×185+1×95	2.0	1.4	0.4	2.6	54.4	2.3	0.100	3500	7274
	1.6						0.195	3500	
2×240+1×120	2.2	1.6	0.4	2.8	60.4	2.5	0.0762	3500	9216
	1.6						0.154	3500	

海工高压电缆

海工低电压力、控制及照明电缆

海工控制、仪表及通信电缆

海工接地线

技术资料



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	V/5min	kg/km
4×1.5	1.0	1.0	0.2	1.2	14.6	0.9	12.2	3500	342
4×2.5	1.0	1.0	0.2	1.2	15.6	1.0	7.56	3500	410
4×4	1.0	1.0	0.3	1.3	17.6	1.0	4.70	3500	554
4×6	1.0	1.0	0.3	1.4	19.0	1.1	3.11	3500	684
4×10	1.0	1.0	0.3	1.4	21.4	1.2	1.84	3500	900
4×16	1.0	1.0	0.3	1.5	23.8	1.2	1.16	3500	1144
4×25	1.2	1.0	0.3	1.7	29.8	1.4	0.734	3500	1727
4×35	1.2	1.0	0.3	1.8	32.2	1.5	0.529	3500	2172
4×50	1.4	1.2	0.3	1.9	37.4	1.7	0.391	3500	2914
4×70	1.4	1.2	0.4	2.1	42.2	1.9	0.270	3500	3973
4×95	1.6	1.2	0.4	2.3	48.2	2.1	0.195	3500	5265
4×120	1.6	1.4	0.4	2.4	52.4	2.2	0.154	3500	6476
4×150	1.8	1.4	0.4	2.6	57.4	2.4	0.126	3500	7817
4×185	2.0	1.6	0.4	2.8	64.2	2.6	0.100	3500	9707
4×240	2.2	1.6	0.4	3.0	71.2	2.8	0.0762	3500	12375
4×300	2.4	1.6	0.4	3.3	79.4	3.1	0.0607	3500	15328
3×25+1×16	1.2	1.0	0.3	1.7	28.2	1.4	0.734	3500	1676
	1.0						1.16	3500	
3×35+1×16	1.2	1.0	0.3	1.8	30.2	1.5	0.529	3500	2049
	1.0						1.16	3500	
3×35+1×25	1.2	1.0	0.3	1.8	31.4	1.5	0.529	3500	2169
	1.2						0.734	3500	
3×50+1×25	1.4	1.2	0.3	1.9	35.6	1.6	0.391	3500	2801
	1.2						0.734	3500	
3×70+1×35	1.4	1.2	0.4	2.1	40.0	1.8	0.270	3500	3793
	1.2						0.529	3500	
3×95+1×50	1.6	1.2	0.4	2.3	45.8	2.0	0.195	3500	5029
	1.4						0.391	3500	
3×120+1×70	1.6	1.4	0.4	2.4	50.0	2.1	0.154	3500	6226
	1.4						0.270	3500	
3×150+1×95	1.8	1.4	0.4	2.6	55.2	2.3	0.126	3500	7639
	1.6						0.195	3500	
3×185+1×95	2.0	1.6	0.4	2.8	60.8	2.5	0.100	3500	9237
	1.6						0.195	3500	
3×240+1×120	2.2	1.6	0.4	3.0	67.0	2.7	0.0762	3500	11672
	1.6						0.154	3500	

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	V/5min	kg/km
5×1.5	1.0	1.0	0.2	1.2	15.6	1.0	12.2	3500	393
7×1.5	1.0	1.0	0.3	1.3	17.2	1.0	12.2	3500	465
10×1.5	1.0	1.0	0.3	1.4	21.0	1.1	12.2	3500	662
12×1.5	1.0	1.0	0.3	1.5	21.8	1.2	12.2	3500	733
14×1.5	1.0	1.0	0.3	1.5	22.8	1.2	12.2	3500	790
16×1.5	1.0	1.0	0.3	1.5	23.8	1.2	12.2	3500	871
19×1.5	1.0	1.0	0.3	1.6	25.0	1.3	12.2	3500	970
24×1.5	1.0	1.0	0.3	1.7	28.8	1.4	12.2	3500	1230
27×1.5	1.0	1.0	0.3	1.7	29.4	1.4	12.2	3500	1321
30×1.5	1.0	1.0	0.3	1.8	30.6	1.5	12.2	3500	1418
37×1.5	1.0	1.0	0.3	1.8	32.6	1.5	12.2	3500	1638
5×2.5	1.0	1.0	0.3	1.3	17.2	1.0	7.56	3500	511
7×2.5	1.0	1.0	0.3	1.3	18.4	1.1	7.56	3500	564
10×2.5	1.0	1.0	0.3	1.5	22.8	1.2	7.56	3500	822
12×2.5	1.0	1.0	0.3	1.5	23.4	1.2	7.56	3500	901
14×2.5	1.0	1.0	0.3	1.6	24.6	1.3	7.56	3500	984
16×2.5	1.0	1.0	0.3	1.6	25.8	1.3	7.56	3500	1092
19×2.5	1.0	1.0	0.3	1.7	27.2	1.4	7.56	3500	1231
24×2.5	1.0	1.0	0.3	1.8	31.4	1.5	7.56	3500	1563
27×2.5	1.0	1.0	0.3	1.8	32.0	1.5	7.56	3500	1679
30×2.5	1.0	1.0	0.3	1.9	33.2	1.6	7.56	3500	1805
37×2.5	1.0	1.2	0.3	2.0	36.2	1.7	7.56	3500	2173
5×4	1.0	1.0	0.3	1.4	19.0	1.1	4.70	3500	649
7×4	1.0	1.0	0.3	1.4	20.4	1.1	4.70	3500	725
10×4	1.0	1.0	0.3	1.6	25.4	1.3	4.70	3500	1062
12×4	1.0	1.0	0.3	1.6	26.2	1.3	4.70	3500	1181
14×4	1.0	1.0	0.3	1.7	27.6	1.4	4.70	3500	1294
16×4	1.0	1.0	0.3	1.7	28.8	1.4	4.70	3500	1433
19×4	1.0	1.0	0.3	1.8	30.4	1.5	4.70	3500	1623
24×4	1.0	1.2	0.3	1.9	35.6	1.6	4.70	3500	2106
27×4	1.0	1.2	0.3	1.9	36.4	1.7	4.70	3500	2281
30×4	1.0	1.2	0.3	2.0	37.8	1.7	4.70	3500	2457
37×4	1.0	1.2	0.4	2.1	41.0	1.8	4.70	3500	2985
4×25+1×16	1.2	1.0	0.3	1.8	31.2	1.5	0.734	3500	2023
	1.0						1.16	3500	
4×35+1×16	1.2	1.0	0.3	1.9	33.4	1.6	0.529	3500	2486
	1.0						1.16	3500	
4×35+1×25	1.2	1.0	0.3	1.9	34.6	1.6	0.529	3500	2607
	1.2						0.734	3500	
4×50+1×25	1.4	1.2	0.3	2.1	39.4	1.8	0.391	3500	3402
	1.2						0.734	3500	
4×70+1×35	1.4	1.2	0.4	2.2	44.2	1.9	0.270	3500	4598
	1.2						0.529	3500	
4×95+1×50	1.6	1.4	0.4	2.4	51.0	2.1	0.195	3500	6166
	1.4						0.391	3500	
4×120+1×70	1.6	1.4	0.4	2.6	55.6	2.3	0.154	3500	7622
	1.4						0.270	3500	
4×150+1×95	1.8	1.6	0.4	2.8	61.8	2.5	0.126	3500	9394
	1.6						0.195	3500	
4×185+1×95	2.0	1.6	0.4	3.0	67.6	2.7	0.100	3500	11313
	1.6						0.195	3500	
4×240+1×120	2.2	1.6	0.4	3.3	75.0	2.9	0.0762	3500	14426
	1.6						0.154	3500	

海工高压电缆

海工低压电力、控制及照明电缆

海工控制、仪表及通信电缆

海工接地线

技术资料



交联聚乙烯绝缘阻燃船用控制、照明及电力电缆
OFFSHORE CABLES FOR LV POWER, CONTROL AND LIGHTING

0.6/1kV TFOU

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					
1×1.5	0.7	1.0	0.2	1.0	7.8	0.8	12.2	3500	95
1×2.5	0.7	1.0	0.2	1.0	8.2	0.8	7.56	3500	111
1×4	0.7	1.0	0.2	1.0	8.8	0.8	4.70	3500	134
1×6	0.7	1.0	0.2	1.0	9.4	0.8	3.11	3500	163
1×10	0.7	1.0	0.2	1.1	10.6	0.8	1.84	3500	217
1×16	0.7	1.0	0.2	1.1	11.4	0.8	1.16	3500	281
1×25	0.9	1.0	0.2	1.2	13.4	0.9	0.734	3500	405
1×35	0.9	1.0	0.2	1.2	14.4	0.9	0.529	3500	508
1×50	1.0	1.0	0.3	1.3	16.6	1.0	0.391	3500	690
1×70	1.1	1.0	0.3	1.4	18.8	1.1	0.270	3500	929
1×95	1.1	1.0	0.3	1.4	20.6	1.1	0.195	3500	1187
1×120	1.2	1.0	0.3	1.5	22.6	1.2	0.154	3500	1469
1×150	1.4	1.0	0.3	1.6	24.6	1.3	0.126	3500	1761
1×185	1.6	1.0	0.3	1.6	27.2	1.4	0.100	3500	2156
1×240	1.7	1.0	0.3	1.7	29.8	1.4	0.0762	3500	2734
1×300	1.8	1.0	0.3	1.8	33.0	1.5	0.0607	3500	3361
2×1.5	0.7	1.0	0.2	1.1	11.6	0.8	12.2	3500	207
2×2.5	0.7	1.0	0.2	1.1	12.4	0.9	7.56	3500	247
2×4	0.7	1.0	0.2	1.2	13.8	0.9	4.70	3500	315
2×6	0.7	1.0	0.2	1.2	14.8	0.9	3.11	3500	383
2×10	0.7	1.0	0.3	1.3	17.4	1.0	1.84	3500	550
2×16	0.7	1.0	0.3	1.4	19.4	1.1	1.16	3500	715
2×25	0.9	1.0	0.3	1.5	23.2	1.2	0.734	3500	1036
2×35	0.9	1.0	0.3	1.6	25.2	1.3	0.529	3500	1296
2×50	1.0	1.0	0.3	1.7	28.8	1.4	0.391	3500	1699
2×70	1.1	1.0	0.3	1.8	32.8	1.5	0.270	3500	2282
2×95	1.1	1.2	0.3	1.9	37.2	1.7	0.195	3500	3006
2×120	1.2	1.2	0.4	2.1	41.4	1.8	0.154	3500	3800
2×150	1.4	1.2	0.4	2.2	45.4	2.0	0.126	3500	4570
2×185	1.6	1.4	0.4	2.4	51.2	2.2	0.100	3500	5711
2×240	1.7	1.4	0.4	2.6	56.6	2.3	0.0762	3500	7224
2×300	1.8	1.6	0.4	2.8	63.2	2.6	0.0607	3500	8960

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					
3×1.5	0.7	1.0	0.2	1.1	12.2	0.9	12.2	3500	234
3×2.5	0.7	1.0	0.2	1.1	13.0	0.9	7.56	3500	282
3×4	0.7	1.0	0.2	1.2	14.4	0.9	4.70	3500	362
3×6	0.7	1.0	0.2	1.2	15.6	1.0	3.11	3500	452
3×10	0.7	1.0	0.3	1.3	18.4	1.1	1.84	3500	655
3×16	0.7	1.0	0.3	1.4	20.4	1.1	1.16	3500	857
3×25	0.9	1.0	0.3	1.5	24.6	1.3	0.734	3500	1263
3×35	0.9	1.0	0.3	1.6	26.8	1.3	0.529	3500	1604
3×50	1.0	1.0	0.3	1.8	30.8	1.5	0.391	3500	2128
3×70	1.1	1.2	0.3	1.9	35.4	1.6	0.270	3500	2916
3×95	1.1	1.2	0.3	2.0	39.8	1.8	0.195	3500	3824
3×120	1.2	1.2	0.4	2.2	44.2	1.9	0.154	3500	4826
3×150	1.4	1.4	0.4	2.3	49.0	2.1	0.126	3500	5882
3×185	1.6	1.4	0.4	2.5	54.8	2.3	0.100	3500	7271
3×240	1.7	1.6	0.4	2.7	61.0	2.5	0.0762	3500	9330
3×300	1.8	1.6	0.4	2.9	67.6	2.7	0.0607	3500	11473
2×25+1×16	0.9	1.0	0.3	1.5	23.4	1.2	0.734	3500	1237
	0.7						1.16	3500	
2×35+1×16	0.9	1.0	0.3	1.6	25.2	1.3	0.529	3500	1500
	0.7						1.16	3500	
2×35+1×25	0.9	1.0	0.3	1.6	26.0	1.3	0.529	3500	1601
	0.9						0.734	3500	
2×50+1×25	1.0	1.0	0.3	1.8	29.0	1.4	0.391	3500	2023
	0.9						0.734	3500	
2×70+1×35	1.1	1.2	0.3	1.9	33.4	1.6	0.270	3500	2762
	0.9						0.529	3500	
2×95+1×50	1.1	1.2	0.3	2.0	37.4	1.7	0.195	3500	3595
	1.0						0.391	3500	
2×120+1×70	1.2	1.2	0.4	2.2	42.0	1.8	0.154	3500	4638
	1.1						0.270	3500	
2×150+1×95	1.4	1.4	0.4	2.3	46.6	2.0	0.126	3500	5733
	1.1						0.195	3500	
2×185+1×95	1.6	1.4	0.4	2.5	51.4	2.2	0.100	3500	6863
	1.1						0.195	3500	
2×240+1×120	1.7	1.6	0.4	2.7	57.2	2.4	0.0762	3500	8739
	1.2						0.154	3500	



海工高压电缆

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技术资料

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	V/5min	kg/km
4×1.5	0.7	1.0	0.2	1.1	13.0	0.9	12.2	3500	271
4×2.5	0.7	1.0	0.2	1.2	14.0	0.9	7.56	3500	335
4×4	0.7	1.0	0.2	1.2	15.6	1.0	4.70	3500	435
4×6	0.7	1.0	0.3	1.3	17.4	1.0	3.11	3500	586
4×10	0.7	1.0	0.3	1.4	20.0	1.1	1.84	3500	804
4×16	0.7	1.0	0.3	1.5	22.4	1.2	1.16	3500	1068
4×25	0.9	1.0	0.3	1.6	26.8	1.3	0.734	3500	1569
4×35	0.9	1.0	0.3	1.7	29.2	1.4	0.529	3500	2005
4×50	1.0	1.0	0.3	1.9	33.8	1.6	0.391	3500	2681
4×70	1.1	1.2	0.3	2.0	39.0	1.7	0.270	3500	3702
4×95	1.1	1.2	0.4	2.2	44.4	1.9	0.195	3500	4975
4×120	1.2	1.4	0.4	2.3	49.0	2.1	0.154	3500	6191
4×150	1.4	1.4	0.4	2.5	54.0	2.2	0.126	3500	7502
4×185	1.6	1.4	0.4	2.7	60.6	2.5	0.100	3500	9303
4×240	1.7	1.6	0.4	3.0	67.6	2.7	0.0762	3500	11989
4×300	1.8	1.6	0.4	3.2	75.0	2.9	0.0607	3500	14765
3×25+1×16	0.9	1.0	0.3	1.6	25.6	1.3	0.734	3500	1511
	0.7						1.16	3500	
3×35+1×16	0.9	1.0	0.3	1.7	27.6	1.4	0.529	3500	1875
	0.7						1.16	3500	
3×35+1×25	0.9	1.0	0.3	1.7	28.4	1.4	0.529	3500	1971
	0.9						0.734	3500	
3×50+1×25	1.0	1.0	0.3	1.9	32.0	1.5	0.391	3500	2530
	0.9						0.734	3500	
3×70+1×35	1.1	1.2	0.3	2.0	36.8	1.7	0.270	3500	3474
	0.9						0.529	3500	
3×95+1×50	1.1	1.2	0.4	2.2	42.0	1.8	0.195	3500	4662
	1.0						0.391	3500	
3×120+1×70	1.2	1.4	0.4	2.3	46.8	2.0	0.154	3500	5897
	1.1						0.270	3500	
3×150+1×95	1.4	1.4	0.4	2.5	51.8	2.2	0.126	3500	7241
	1.1						0.195	3500	
3×185+1×95	1.6	1.4	0.4	2.7	57.0	2.3	0.100	3500	8737
	1.1						0.195	3500	
3×240+1×120	1.7	1.6	0.4	3.0	63.6	2.6	0.0762	3500	11197
	1.2						0.154	3500	

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	V/5min	kg/km
5×1.5	0.7	1.0	0.2	1.2	14.0	0.9	12.2	3500	316
7×1.5	0.7	1.0	0.2	1.2	14.8	0.9	12.2	3500	341
10×1.5	0.7	1.0	0.3	1.3	18.4	1.1	12.2	3500	519
12×1.5	0.7	1.0	0.3	1.4	19.2	1.1	12.2	3500	579
14×1.5	0.7	1.0	0.3	1.4	19.8	1.1	12.2	3500	612
16×1.5	0.7	1.0	0.3	1.4	20.8	1.1	12.2	3500	680
19×1.5	0.7	1.0	0.3	1.5	21.8	1.2	12.2	3500	755
24×1.5	0.7	1.0	0.3	1.6	25.0	1.3	12.2	3500	952
27×1.5	0.7	1.0	0.3	1.6	25.6	1.3	12.2	3500	1022
30×1.5	0.7	1.0	0.3	1.6	26.2	1.3	12.2	3500	1074
37×1.5	0.7	1.0	0.3	1.7	28.2	1.4	12.2	3500	1260
5×2.5	0.7	1.0	0.2	1.2	15.0	0.9	7.56	3500	387
7×2.5	0.7	1.0	0.3	1.3	16.6	1.0	7.56	3500	468
10×2.5	0.7	1.0	0.3	1.4	20.2	1.1	7.56	3500	664
12×2.5	0.7	1.0	0.3	1.4	20.8	1.1	7.56	3500	732
14×2.5	0.7	1.0	0.3	1.5	21.8	1.2	7.56	3500	796
16×2.5	0.7	1.0	0.3	1.5	22.8	1.2	7.56	3500	880
19×2.5	0.7	1.0	0.3	1.5	23.8	1.2	7.56	3500	978
24×2.5	0.7	1.0	0.3	1.7	27.6	1.4	7.56	3500	1254
27×2.5	0.7	1.0	0.3	1.7	28.2	1.4	7.56	3500	1353
30×2.5	0.7	1.0	0.3	1.7	29.0	1.4	7.56	3500	1432
37×2.5	0.7	1.0	0.3	1.8	31.2	1.5	7.56	3500	1691
5×4	0.7	1.0	0.3	1.3	17.2	1.0	4.70	3500	542
7×4	0.7	1.0	0.3	1.3	18.4	1.1	4.70	3500	609
10×4	0.7	1.0	0.3	1.5	22.8	1.2	4.70	3500	886
12×4	0.7	1.0	0.3	1.5	23.4	1.2	4.70	3500	978
14×4	0.7	1.0	0.3	1.5	24.4	1.3	4.70	3500	1061
16×4	0.7	1.0	0.3	1.6	25.8	1.3	4.70	3500	1196
19×4	0.7	1.0	0.3	1.6	27.0	1.3	4.70	3500	1339
24×4	0.7	1.0	0.3	1.8	31.4	1.5	4.70	3500	1719
27×4	0.7	1.0	0.3	1.8	32.0	1.5	4.70	3500	1855
30×4	0.7	1.0	0.3	1.8	33.0	1.5	4.70	3500	1983
37×4	0.7	1.2	0.3	1.9	36.0	1.6	4.70	3500	2396
4×25+1×16	0.9	1.0	0.3	1.7	28.2	1.4	0.734	3500	1826
	0.7						1.16	3500	
4×35+1×16	0.9	1.0	0.3	1.8	30.4	1.5	0.529	3500	2279
	0.7						1.16	3500	
4×35+1×25	0.9	1.0	0.3	1.8	31.4	1.5	0.529	3500	2391
	0.9						0.734	3500	
4×50+1×25	1.0	1.2	0.3	2.0	35.8	1.6	0.391	3500	3122
	0.9						0.734	3500	
4×70+1×35	1.1	1.2	0.4	2.2	41.4	1.8	0.270	3500	4362
	0.9						0.529	3500	
4×95+1×50	1.1	1.4	0.4	2.3	47.0	2.0	0.195	3500	5772
	1.0						0.391	3500	
4×120+1×70	1.2	1.4	0.4	2.5	52.0	2.2	0.154	3500	7231
	1.1						0.270	3500	
4×150+1×95	1.4	1.4	0.4	2.7	57.6	2.4	0.126	3500	8877
	1.1						0.195	3500	
4×185+1×95	1.6	1.6	0.4	2.9	63.8	2.6	0.100	3500	10816
	1.1						0.195	3500	
4×240+1×120	1.7	1.6	0.4	3.2	70.8	2.8	0.0762	3500	13821
	1.2						0.154	3500	



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OFFSHORE CABLES FOR LV POWER, CONTROL AND LIGHTING
海工低压电力、控制及照明电缆



电缆型号 CABLE DESIGNATION P17
0.6/1kV BU

参照标准 APPLICATION STANDARD

设计 Design Guide	NEK TS 606& IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360
护套材料 Sheath Material	IEC 60092-360
耐火 Fire resistance	IEC 60331
阻燃 Flame Retardant	IEC 60332-1&-3 Category A
低烟 Low Smoke	IEC 61034
无卤 Halogen free	IEC 60754
低温弯曲 Cold bend (-40°C)	IEC 60092-350
低温冲击 Cold impact (-35°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	代号 Code	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
耐火层+绝缘 Fire resistant + Insulation	B	云母带+乙丙橡胶 Mica tape+Ethylene propylene rubber (EPR)
外护套 Outer sheath	U	热固性无卤聚烯烃SHF2 Halogen-free thermoset compound
线芯标识 Core Identification		芯数 No. of cores
		标识方法 Identification
		单芯 1 core 灰白 Off-white
		两芯 2 cores 灰白、黑 Off-White, Black
		2+G 灰白、黑、黄绿 Off-White, Black, Y/G
		三芯 3 cores 灰白、黑、红 Off-White, Black, Red
		3+G 灰白、黑、红、黄绿 Off-White, Black, Red, Y/G
		四芯 4 cores 灰白、黑、红、蓝 Off-White, Black, Red, Blue
	4+G 灰白、黑、红、蓝、黄绿 Off-White, Black, Red, Blue, Y/G	
	五芯及以上 Above 5 cores 白的绝缘印黑色数字 Black No. on white insulation	
	注:黄绿线表示地线 Note:Y/G (Yellow/Green) is the earth core	

0.6/1kV BU

No.×mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	±mm	Ω/km	V/5min	kg/km
1×1.5	1.0	1.0	6.8	0.8	12.2	3500	66
1×2.5	1.0	1.0	7.2	0.8	7.56	3500	80
1×4	1.0	1.0	7.8	0.8	4.70	3500	100
1×6	1.0	1.0	8.2	0.8	3.11	3500	122
1×10	1.0	1.0	9.2	0.8	1.84	3500	165
1×16	1.0	1.1	10.4	0.8	1.16	3500	234
1×25	1.2	1.1	12.2	0.9	0.734	3500	345
1×35	1.2	1.2	13.2	0.9	0.529	3500	441
1×50	1.4	1.2	15.2	1.0	0.391	3500	592
1×70	1.4	1.3	17.0	1.0	0.270	3500	802
1×95	1.6	1.4	19.6	1.1	0.195	3500	1085
1×120	1.6	1.4	21.0	1.1	0.154	3500	1325
1×150	1.8	1.5	23.2	1.2	0.126	3500	1619
1×185	2.0	1.6	25.8	1.3	0.100	3500	2006
1×240	2.2	1.7	28.8	1.4	0.0762	3500	2598
1×300	2.4	1.8	32.0	1.5	0.0607	3500	3216
2×1.5	1.0	1.1	12.2	0.9	12.2	3500	202
2×2.5	1.0	1.1	13.0	0.9	7.56	3500	240
2×4	1.0	1.2	14.4	0.9	4.70	3500	308
2×6	1.0	1.2	15.4	1.0	3.11	3500	373
2×10	1.0	1.3	17.6	1.0	1.84	3500	507
2×16	1.0	1.4	19.6	1.1	1.16	3500	635
2×25	1.2	1.5	23.4	1.2	0.734	3500	938
2×35	1.2	1.6	25.4	1.3	0.529	3500	1183
2×50	1.4	1.7	29.4	1.4	0.391	3500	1588
2×70	1.4	1.8	33.0	1.5	0.270	3500	2129
2×95	1.6	2.0	38.0	1.7	0.195	3500	2864
2×120	1.6	2.1	41.2	1.8	0.154	3500	3505
2×150	1.8	2.2	45.2	2.0	0.126	3500	4243
2×185	2.0	2.4	50.6	2.1	0.100	3500	5292
2×240	2.2	2.6	56.4	2.3	0.0762	3500	6787
2×300	2.4	2.8	63.0	2.5	0.0607	3500	8448
3×1.5	1.0	1.1	13.0	0.9	12.2	3500	233
3×2.5	1.0	1.2	14.0	0.9	7.56	3500	288
3×4	1.0	1.2	15.4	1.0	4.70	3500	367
3×6	1.0	1.2	16.4	1.0	3.11	3500	449
3×10	1.0	1.3	18.8	1.1	1.84	3500	616
3×16	1.0	1.4	21.0	1.1	1.16	3500	779
3×25	1.2	1.5	25.0	1.3	0.734	3500	1154
3×35	1.2	1.6	27.2	1.4	0.529	3500	1483
3×50	1.4	1.8	31.6	1.5	0.391	3500	2002
3×70	1.4	1.9	35.6	1.6	0.270	3500	2725
3×95	1.6	2.1	41.0	1.8	0.195	3500	3670
3×120	1.6	2.2	44.4	1.9	0.154	3500	4521
3×150	1.8	2.3	48.6	2.1	0.126	3500	5462
3×185	2.0	2.5	54.4	2.3	0.100	3500	6806
3×240	2.2	2.7	60.6	2.5	0.0762	3500	8772
3×300	2.4	2.9	67.8	2.7	0.0607	3500	10933

No. × mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 °C	Test voltage	Approx. Weight
	mm	mm		±mm			
2×25+1×16	1.2	1.5	24.0	1.2	0.734	3500	1192
	1.0				1.16	3500	
2×35+1×16	1.2	1.6	25.4	1.3	0.529	3500	1421
	1.0				1.16	3500	
2×35+1×25	1.2	1.6	26.4	1.3	0.529	3500	1536
	1.2				0.734	3500	
2×50+1×25	1.4	1.8	29.8	1.4	0.391	3500	1968
	1.2				0.734	3500	
2×70+1×35	1.4	1.9	33.4	1.6	0.270	3500	2632
	1.2				0.529	3500	
2×95+1×50	1.6	2.1	38.4	1.7	0.195	3500	3536
	1.4				0.391	3500	
2×120+1×70	1.6	2.2	41.8	1.8	0.154	3500	4407
	1.4				0.270	3500	
2×150+1×95	1.8	2.3	46.4	2.0	0.126	3500	5459
	1.6				0.195	3500	
2×185+1×95	2.0	2.5	51.0	2.1	0.100	3500	6551
	1.6				0.195	3500	
2×240+1×120	2.2	2.7	56.8	2.3	0.0762	3500	8370
	1.6				0.154	3500	
4×1.5	1.0	1.2	14.4	0.9	12.2	3500	293
4×2.5	1.0	1.2	15.4	1.0	7.56	3500	360
4×4	1.0	1.3	17.0	1.0	4.70	3500	461
4×6	1.0	1.3	18.2	1.1	3.11	3500	572
4×10	1.0	1.4	20.8	1.1	1.84	3500	787
4×16	1.0	1.5	23.2	1.2	1.16	3500	989
4×25	1.2	1.6	27.8	1.4	0.734	3500	1481
4×35	1.2	1.7	30.2	1.5	0.529	3500	1907
4×50	1.4	1.9	35.2	1.6	0.391	3500	2584
4×70	1.4	2.0	39.4	1.8	0.270	3500	3502
4×95	1.6	2.2	45.4	2.0	0.195	3500	4723
4×120	1.6	2.3	49.2	2.1	0.154	3500	5831
4×150	1.8	2.5	54.2	2.3	0.126	3500	7099
4×185	2.0	2.7	60.8	2.5	0.100	3500	8859
4×240	2.2	3.0	67.8	2.7	0.0762	3500	11441
4×300	2.4	3.2	75.8	3.0	0.0607	3500	14249

No. × mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 °C	Test voltage	Approx. Weight
	mm	mm		±mm			
3×25+1×16	1.2	1.6	26.6	1.3	0.734	3500	1463
	1.0				1.16	3500	
3×35+1×16	1.2	1.7	28.4	1.4	0.529	3500	1797
	1.0				1.16	3500	
3×35+1×25	1.2	1.7	29.4	1.4	0.529	3500	1913
	1.2				0.734	3500	
3×50+1×25	1.4	1.9	33.4	1.6	0.391	3500	2485
	1.2				0.734	3500	
3×70+1×35	1.4	2.0	37.2	1.7	0.270	3500	3329
	1.2				0.529	3500	
3×95+1×50	1.6	2.2	43.0	1.9	0.195	3500	4503
	1.4				0.391	3500	
3×120+1×70	1.6	2.3	46.8	2.0	0.154	3500	5602
	1.4				0.270	3500	
3×150+1×95	1.8	2.5	52.0	2.2	0.126	3500	6926
	1.6				0.195	3500	
3×185+1×95	2.0	2.7	57.2	2.4	0.100	3500	8398
	1.6				0.195	3500	
3×240+1×120	2.2	3.0	63.6	2.6	0.0762	3500	10765
	1.6				0.154	3500	
4×25+1×16	1.2	1.7	29.6	1.4	0.734	3500	1779
	1.0				1.16	3500	
4×35+1×16	1.2	1.8	31.8	1.5	0.529	3500	2216
	1.0				1.16	3500	
4×35+1×25	1.2	1.8	32.8	1.5	0.529	3500	2334
	1.2				0.734	3500	
4×50+1×25	1.4	2.0	37.4	1.7	0.391	3500	3054
	1.2				0.734	3500	
4×70+1×35	1.4	2.2	41.8	1.8	0.270	3500	4131
	1.2				0.529	3500	
4×95+1×50	1.6	2.4	48.2	2.1	0.195	3500	5571
	1.4				0.391	3500	
4×120+1×70	1.6	2.5	52.6	2.2	0.154	3500	6939
	1.4				0.270	3500	
4×150+1×95	1.8	2.7	58.4	2.4	0.126	3500	8565
	1.6				0.195	3500	
4×185+1×95	2.0	2.9	64.2	2.6	0.100	3500	10401
	1.6				0.195	3500	
4×240+1×120	2.2	3.2	71.6	2.8	0.0762	3500	13396
	1.6				0.154	3500	



No. × mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 °C	Test voltage	Approx. Weight
	mm	mm	mm	±mm	Ω/km	V/5min	kg/km
5×1.5	1.0	1.2	15.8	1.0	12.2	3500	353
7×1.5	1.0	1.3	17.4	1.0	12.2	3500	383
10×1.5	1.0	1.4	22.2	1.2	12.2	3500	589
12×1.5	1.0	1.4	23.0	1.2	12.2	3500	656
14×1.5	1.0	1.5	24.4	1.3	12.2	3500	722
16×1.5	1.0	1.5	25.8	1.3	12.2	3500	817
19×1.5	1.0	1.6	27.4	1.4	12.2	3500	933
24×1.5	1.0	1.7	32.2	1.5	12.2	3500	1221
27×1.5	1.0	1.7	33.0	1.5	12.2	3500	1333
30×1.5	1.0	1.8	34.4	1.6	12.2	3500	1436
37×1.5	1.0	1.9	37.4	1.7	12.2	3500	1729
5×2.5	1.0	1.3	17.0	1.0	7.56	3500	436
7×2.5	1.0	1.3	18.6	1.1	7.56	3500	474
10×2.5	1.0	1.5	24.0	1.2	7.56	3500	741
12×2.5	1.0	1.5	24.8	1.3	7.56	3500	830
14×2.5	1.0	1.5	26.2	1.3	7.56	3500	902
16×2.5	1.0	1.6	27.8	1.4	7.56	3500	1031
19×2.5	1.0	1.6	29.4	1.4	7.56	3500	1173
24×2.5	1.0	1.8	34.8	1.6	7.56	3500	1552
27×2.5	1.0	1.8	35.6	1.6	7.56	3500	1689
30×2.5	1.0	1.9	37.2	1.7	7.56	3500	1833
37×2.5	1.0	2.0	40.4	1.8	7.56	3500	2211
5×4	1.0	1.3	18.6	1.1	4.70	3500	554
7×4	1.0	1.4	20.6	1.1	4.70	3500	623
10×4	1.0	1.6	26.6	1.3	4.70	3500	968
12×4	1.0	1.6	27.6	1.4	4.70	3500	1098
14×4	1.0	1.6	29.0	1.4	4.70	3500	1189
16×4	1.0	1.7	30.8	1.5	4.70	3500	1360
19×4	1.0	1.7	32.6	1.5	4.70	3500	1553
24×4	1.0	1.9	38.6	1.7	4.70	3500	2047
27×4	1.0	2.0	39.8	1.8	4.70	3500	2267
30×4	1.0	2.0	41.2	1.8	4.70	3500	2426
37×4	1.0	2.1	44.8	1.9	4.70	3500	2933

OFFSHORE CABLES FOR LV POWER, CONTROL AND LIGHTING
海工低压电力、控制及照明电缆



电缆型号 CABLE DESIGNATION P5, P5/P12

0.6/1kV BFOU

参照标准 APPLICATION STANDARD

设计 Design Guide	NEK TS 606& IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360
护套材料 Sheath Material	IEC 60092-360
耐火 Fire resistance	IEC 60331
阻燃 Flame Retardant	IEC 60332-1&-3 Category A
低烟 Low Smoke	IEC 61034
无卤 Halogen free	IEC 60754
耐泥浆 Mud resistant	NEK TS 606 (Mud type only)
低温弯曲 Cold bend (-40°C)	IEC 60092-350
低温冲击 Cold impact (-35°C)	IEC 60092-350
最大额定导体运行温度 Max. Rated Conductor Temperature: 90°C	

类别 Classification	代号 Code	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
耐火层+绝缘层 Fire resistance+Insulation	B	云母带+乙丙橡胶 Mica tape + Ethylene propylene rubber (EPR)
内护套 Inner covering	F	无卤聚合物 Halogen-free compound
编织/铠装 Braid/Armor	O	镀锡铜丝 Tinned copper wire
外护套 Outer sheath	U	热固性无卤聚烯烃SHF2 Halogen-free thermoset compound 热固性耐泥浆无卤聚烯烃SHF Mud Halogen-free mud resistant thermoset compound
线芯标识 Core Identification	芯数 No. of cores	标识方法 Identification
	单芯 1 core	灰白 Off-white
	两芯 2 cores	灰白、黑 Off-White, Black
	2+G	灰白、黑、黄绿 Off-White, Black, Y/G
	三芯 3 cores	灰白、黑、红 Off-White, Black, Red
	3+G	灰白、黑、红、黄绿 Off-White, Black, Red, Y/G
四芯 4 cores	灰白、黑、红、蓝 Off-White, Black, Red, Blue	
4+G	灰白、黑、红、蓝、黄绿 Off-White, Black, Red, Blue, Y/G	
五芯及以上 Above 5 cores	白的绝缘印黑色数字 Black No. on white insulation	
注: 黄绿线表示地线 Note: Y/G (Yellow/Green) is the earth core		



乙丙橡胶绝缘阻燃船用控制、照明及电力电缆
OFFSHORE CABLES FOR LV POWER, CONTROL AND LIGHTING

0.6/1kV BFOU

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	V/5min	kg/km
1×1.5	1.0	1.0	0.2	1.0	9.6	0.8	12.2	3500	137
1×2.5	1.0	1.0	0.2	1.0	10.0	0.8	7.56	3500	155
1×4	1.0	1.0	0.2	1.1	10.8	0.8	4.70	3500	187
1×6	1.0	1.0	0.2	1.1	11.2	0.8	3.11	3500	214
1×10	1.0	1.0	0.2	1.1	12.2	0.9	1.84	3500	267
1×16	1.0	1.0	0.2	1.1	13.2	0.9	1.16	3500	342
1×25	1.2	1.0	0.2	1.2	15.2	1.0	0.734	3500	478
1×35	1.2	1.0	0.3	1.3	16.6	1.0	0.529	3500	616
1×50	1.4	1.0	0.3	1.3	18.6	1.1	0.391	3500	792
1×70	1.4	1.0	0.3	1.4	20.4	1.1	0.270	3500	1025
1×95	1.6	1.0	0.3	1.5	23.0	1.2	0.195	3500	1340
1×120	1.6	1.0	0.3	1.5	24.4	1.3	0.154	3500	1599
1×150	1.8	1.0	0.3	1.6	26.6	1.3	0.126	3500	1922
1×185	2.0	1.0	0.3	1.7	29.2	1.4	0.100	3500	2340
1×240	2.2	1.0	0.3	1.8	32.2	1.5	0.0762	3500	2972
1×300	2.4	1.0	0.3	1.9	35.4	1.6	0.0607	3500	3629
2×1.5	1.0	1.0	0.2	1.2	15.2	1.0	12.2	3500	335
2×2.5	1.0	1.0	0.2	1.2	16.0	1.0	7.56	3500	382
2×4	1.0	1.0	0.3	1.3	17.8	1.0	4.70	3500	493
2×6	1.0	1.0	0.3	1.3	18.8	1.1	3.11	3500	573
2×10	1.0	1.0	0.3	1.4	21.0	1.1	1.84	3500	734
2×16	1.0	1.0	0.3	1.4	22.8	1.2	1.16	3500	876
2×25	1.2	1.0	0.3	1.6	26.8	1.3	0.734	3500	1239
2×35	1.2	1.0	0.3	1.7	28.8	1.4	0.529	3500	1514
2×50	1.4	1.0	0.3	1.8	32.8	1.5	0.391	3500	1971
2×70	1.4	1.2	0.3	1.9	36.8	1.7	0.270	3500	2598
2×95	1.6	1.2	0.3	2.1	41.8	1.8	0.195	3500	3402
2×120	1.6	1.2	0.4	2.2	45.4	2.0	0.154	3500	4179
2×150	1.8	1.4	0.4	2.3	49.8	2.1	0.126	3500	5039
2×185	2.0	1.4	0.4	2.5	55.2	2.3	0.100	3500	6176
2×240	2.2	1.4	0.4	2.7	61.0	2.5	0.0762	3500	7779
2×300	2.4	1.6	0.4	2.9	68.0	2.7	0.0607	3500	9625

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	V/5min	kg/km
3×1.5	1.0	1.0	0.2	1.2	16.0	1.0	12.2	3500	373
3×2.5	1.0	1.0	0.2	1.2	16.8	1.0	7.56	3500	431
3×4	1.0	1.0	0.3	1.3	18.8	1.1	4.70	3500	566
3×6	1.0	1.0	0.3	1.3	19.8	1.1	3.11	3500	661
3×10	1.0	1.0	0.3	1.4	22.2	1.2	1.84	3500	858
3×16	1.0	1.0	0.3	1.5	24.4	1.3	1.16	3500	1050
3×25	1.2	1.0	0.3	1.6	28.4	1.4	0.734	3500	1476
3×35	1.2	1.0	0.3	1.7	30.6	1.5	0.529	3500	1838
3×50	1.4	1.0	0.3	1.9	35.0	1.6	0.391	3500	2413
3×70	1.4	1.2	0.3	2.0	39.4	1.8	0.270	3500	3229
3×95	1.6	1.2	0.4	2.2	45.2	2.0	0.195	3500	4338
3×120	1.6	1.2	0.4	2.3	48.6	2.1	0.154	3500	5246
3×150	1.8	1.4	0.4	2.4	53.2	2.2	0.126	3500	6318
3×185	2.0	1.4	0.4	2.6	59.0	2.4	0.100	3500	7760
3×240	2.2	1.6	0.4	2.9	65.8	2.6	0.0762	3500	9948
3×300	2.4	1.6	0.4	3.1	73.0	2.9	0.0607	3500	12239
2×25+1×16	1.2	1.0	0.3	1.6	27.4	1.4	0.734	3500	1507
	1.0						1.16	3500	
2×35+1×16	1.2	1.0	0.3	1.7	28.8	1.4	0.529	3500	1767
	1.0						1.16	3500	
2×35+1×25	1.2	1.0	0.3	1.7	29.8	1.4	0.529	3500	1889
	1.2						0.734	3500	
2×50+1×25	1.4	1.0	0.3	1.9	33.2	1.6	0.391	3500	2373
	1.2						0.734	3500	
2×70+1×35	1.4	1.2	0.3	2.0	37.2	1.7	0.270	3500	3126
	1.2						0.529	3500	
2×95+1×50	1.6	1.2	0.4	2.2	42.6	1.9	0.195	3500	4191
	1.4						0.391	3500	
2×120+1×70	1.6	1.2	0.4	2.3	46.0	2.0	0.154	3500	5120
	1.4						0.270	3500	
2×150+1×95	1.8	1.4	0.4	2.4	51.0	2.1	0.126	3500	6305
	1.6						0.195	3500	
2×185+1×95	2.0	1.4	0.4	2.6	55.6	2.3	0.100	3500	7486
	1.6						0.195	3500	
2×240+1×120	2.2	1.6	0.4	2.9	62.0	2.5	0.0762	3500	9521
	1.6						0.154	3500	



海工高压电缆

海工低电压、控制及照明电缆

海工控制、仪表及通信电缆

海工接地线

技术资料

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	V/5min	kg/km
4×1.5	1.0	1.0	0.2	1.2	17.2	1.0	12.2	3500	439
4×2.5	1.0	1.0	0.3	1.3	18.8	1.1	7.56	3500	558
4×4	1.0	1.0	0.3	1.3	20.2	1.1	4.70	3500	668
4×6	1.0	1.0	0.3	1.4	21.6	1.2	3.11	3500	807
4×10	1.0	1.0	0.3	1.5	24.2	1.3	1.84	3500	1054
4×16	1.0	1.0	0.3	1.6	26.6	1.3	1.16	3500	1288
4×25	1.2	1.0	0.3	1.7	31.2	1.5	0.734	3500	1837
4×35	1.2	1.0	0.3	1.8	33.6	1.6	0.529	3500	2300
4×50	1.4	1.2	0.3	2.0	39.0	1.7	0.391	3500	3085
4×70	1.4	1.2	0.4	2.1	43.6	1.9	0.270	3500	4146
4×95	1.6	1.4	0.4	2.3	50.0	2.1	0.195	3500	5519
4×120	1.6	1.4	0.4	2.5	54.0	2.2	0.154	3500	6724
4×150	1.8	1.4	0.4	2.7	59.0	2.4	0.126	3500	8088
4×185	2.0	1.6	0.4	2.8	65.8	2.6	0.100	3500	9996
4×240	2.2	1.6	0.4	3.1	72.8	2.9	0.0762	3500	12713
4×300	2.4	1.6	0.4	3.3	80.8	3.1	0.0607	3500	15661
3×25+1×16	1.2	1.0	0.3	1.7	30.0	1.4	0.734	3500	1816
	1.0						1.16	3500	
3×35+1×16	1.2	1.0	0.3	1.8	31.8	1.5	0.529	3500	2182
	1.0						1.16	3500	
3×35+1×25	1.2	1.0	0.3	1.8	32.8	1.5	0.529	3500	2306
	1.2						0.734	3500	
3×50+1×25	1.4	1.2	0.3	2.0	37.2	1.7	0.391	3500	2978
	1.2						0.734	3500	
3×70+1×35	1.4	1.2	0.4	2.1	41.4	1.8	0.270	3500	3963
	1.2						0.529	3500	
3×95+1×50	1.6	1.4	0.4	2.3	47.6	2.0	0.195	3500	5285
	1.4						0.391	3500	
3×120+1×70	1.6	1.4	0.4	2.5	51.6	2.2	0.154	3500	6482
	1.4						0.270	3500	
3×150+1×95	1.8	1.4	0.4	2.7	56.8	2.3	0.126	3500	7908
	1.6						0.195	3500	
3×185+1×95	2.0	1.6	0.4	2.8	62.2	2.5	0.100	3500	9514
	1.6						0.195	3500	
3×240+1×120	2.2	1.6	0.4	3.1	68.6	2.7	0.0762	3500	12015
	1.6						0.154	3500	

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	V/5min	kg/km
5×1.5	1.0	1.0	0.3	1.3	19.2	1.1	12.2	3500	555
7×1.5	1.0	1.0	0.3	1.3	20.6	1.1	12.2	3500	593
10×1.5	1.0	1.0	0.3	1.5	25.6	1.3	12.2	3500	870
12×1.5	1.0	1.0	0.3	1.5	26.4	1.3	12.2	3500	947
14×1.5	1.0	1.0	0.3	1.6	27.8	1.4	12.2	3500	1029
16×1.5	1.0	1.0	0.3	1.6	29.2	1.4	12.2	3500	1142
19×1.5	1.0	1.0	0.3	1.7	30.8	1.5	12.2	3500	1278
24×1.5	1.0	1.0	0.3	1.8	35.6	1.6	12.2	3500	1625
27×1.5	1.0	1.0	0.3	1.8	36.4	1.7	12.2	3500	1747
30×1.5	1.0	1.0	0.3	1.9	37.8	1.7	12.2	3500	1867
37×1.5	1.0	1.2	0.3	2.0	41.2	1.8	12.2	3500	2243
5×2.5	1.0	1.0	0.3	1.3	20.2	1.1	7.56	3500	642
7×2.5	1.0	1.0	0.3	1.4	22.0	1.2	7.56	3500	712
10×2.5	1.0	1.0	0.3	1.6	27.4	1.4	7.56	3500	1046
12×2.5	1.0	1.0	0.3	1.6	28.2	1.4	7.56	3500	1145
14×2.5	1.0	1.0	0.3	1.6	29.6	1.4	7.56	3500	1234
16×2.5	1.0	1.0	0.3	1.7	31.2	1.5	7.56	3500	1383
19×2.5	1.0	1.0	0.3	1.7	32.8	1.5	7.56	3500	1545
24×2.5	1.0	1.2	0.3	1.9	38.6	1.7	7.56	3500	2034
27×2.5	1.0	1.2	0.3	1.9	39.4	1.8	7.56	3500	2182
30×2.5	1.0	1.2	0.3	2.0	41.0	1.8	7.56	3500	2348
37×2.5	1.0	1.2	0.4	2.1	44.6	1.9	7.56	3500	2852
5×4	1.0	1.0	0.3	1.4	22.0	1.2	4.70	3500	792
10×4	1.0	1.0	0.3	1.6	29.8	1.4	4.70	3500	1289
12×4	1.0	1.0	0.3	1.7	31.0	1.5	4.70	3500	1448
14×4	1.0	1.0	0.3	1.7	32.4	1.5	4.70	3500	1557
16×4	1.0	1.0	0.3	1.8	34.2	1.6	4.70	3500	1750
19×4	1.0	1.0	0.3	1.8	36.0	1.6	4.70	3500	1965
24×4	1.0	1.2	0.3	2.0	42.4	1.9	4.70	3500	2581
27×4	1.0	1.2	0.3	2.0	43.4	1.9	4.70	3500	2793
30×4	1.0	1.2	0.4	2.1	45.4	2.0	4.70	3500	3080
37×4	1.0	1.2	0.4	2.2	49.0	2.1	4.70	3500	3643
4×25+1×16	1.2	1.0	0.3	1.8	33.0	1.5	0.734	3500	2170
	1.0						1.16	3500	
4×35+1×16	1.2	1.2	0.3	1.9	35.6	1.6	0.529	3500	2683
	1.0						1.16	3500	
4×35+1×25	1.2	1.2	0.3	1.9	36.6	1.7	0.529	3500	2810
	1.2						0.734	3500	
4×50+1×25	1.4	1.2	0.4	2.1	41.6	1.8	0.391	3500	3688
	1.2						0.734	3500	
4×70+1×35	1.4	1.2	0.4	2.3	46.0	2.0	0.270	3500	4839
	1.2						0.529	3500	
4×95+1×50	1.6	1.4	0.4	2.5	52.8	2.2	0.195	3500	6444
	1.4						0.391	3500	
4×120+1×70	1.6	1.4	0.4	2.7	57.4	2.4	0.154	3500	7928
	1.4						0.270	3500	
4×150+1×95	1.8	1.6	0.4	2.9	63.6	2.6	0.126	3500	9732
	1.6						0.195	3500	
4×185+1×95	2.0	1.6	0.4	3.1	69.4	2.8	0.100	3500	11685
	1.6						0.195	3500	
4×240+1×120	2.2	1.8	0.4	3.3	77.0	3.0	0.0762	3500	14881
	1.6						0.154	3500	



交联聚乙烯绝缘阻燃船用控制、照明及电力电缆
OFFSHORE CABLES FOR LV POWER, CONTROL AND LIGHTING

0.6/1kV BFOU

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					
1×1.5	0.7	1.0	0.2	1.0	9.0	0.8	12.2	3500	118
1×2.5	0.7	1.0	0.2	1.0	9.4	0.8	7.56	3500	134
1×4	0.7	1.0	0.2	1.0	10.0	0.8	4.70	3500	159
1×6	0.7	1.0	0.2	1.1	10.6	0.8	3.11	3500	190
1×10	0.7	1.0	0.2	1.1	11.6	0.8	1.84	3500	241
1×16	0.7	1.0	0.2	1.1	12.6	0.9	1.16	3500	313
1×25	0.9	1.0	0.2	1.2	14.6	0.9	0.734	3500	442
1×35	0.9	1.0	0.2	1.2	15.4	1.0	0.529	3500	540
1×50	1.0	1.0	0.3	1.3	17.8	1.0	0.391	3500	735
1×70	1.1	1.0	0.3	1.4	19.8	1.1	0.270	3500	970
1×95	1.1	1.0	0.3	1.4	21.8	1.2	0.195	3500	1243
1×120	1.2	1.0	0.3	1.5	23.6	1.2	0.154	3500	1517
1×150	1.4	1.0	0.3	1.6	25.8	1.3	0.126	3500	1827
1×185	1.6	1.0	0.3	1.6	28.2	1.4	0.100	3500	2213
1×240	1.7	1.0	0.3	1.7	31.0	1.5	0.0762	3500	2812
1×300	1.8	1.0	0.3	1.8	34.0	1.6	0.0607	3500	3430
2×1.5	0.7	1.0	0.2	1.1	13.8	0.9	12.2	3500	272
2×2.5	0.7	1.0	0.2	1.2	14.8	0.9	7.56	3500	324
2×4	0.7	1.0	0.2	1.2	16.0	1.0	4.70	3500	392
2×6	0.7	1.0	0.2	1.2	17.0	1.0	3.11	3500	464
2×10	0.7	1.0	0.3	1.3	19.6	1.1	1.84	3500	644
2×16	0.7	1.0	0.3	1.4	21.6	1.2	1.16	3500	814
2×25	0.9	1.0	0.3	1.5	25.4	1.3	0.734	3500	1153
2×35	0.9	1.0	0.3	1.6	27.4	1.4	0.529	3500	1423
2×50	1.0	1.0	0.3	1.7	31.0	1.5	0.391	3500	1843
2×70	1.1	1.0	0.3	1.9	35.2	1.6	0.270	3500	2465
2×95	1.1	1.2	0.3	2.0	39.6	1.8	0.195	3500	3214
2×120	1.2	1.2	0.4	2.1	43.6	1.9	0.154	3500	4007
2×150	1.4	1.2	0.4	2.3	47.8	2.0	0.126	3500	4822
2×185	1.6	1.4	0.4	2.4	53.4	2.2	0.100	3500	5964
2×240	1.7	1.4	0.4	2.6	58.8	2.4	0.0762	3500	7504
2×300	1.8	1.6	0.4	2.8	65.4	2.6	0.0607	3500	9272

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					
3×1.5	0.7	1.0	0.2	1.1	14.6	0.9	12.2	3500	306
3×2.5	0.7	1.0	0.2	1.2	15.6	1.0	7.56	3500	367
3×4	0.7	1.0	0.2	1.2	16.8	1.0	4.70	3500	445
3×6	0.7	1.0	0.3	1.3	18.6	1.1	3.11	3500	584
3×10	0.7	1.0	0.3	1.4	21.0	1.1	1.84	3500	771
3×16	0.7	1.0	0.3	1.4	22.8	1.2	1.16	3500	965
3×25	0.9	1.0	0.3	1.6	27.2	1.4	0.734	3500	1406
3×35	0.9	1.0	0.3	1.7	29.2	1.4	0.529	3500	1749
3×50	1.0	1.0	0.3	1.8	33.2	1.6	0.391	3500	2287
3×70	1.1	1.2	0.3	1.9	37.8	1.7	0.270	3500	3098
3×95	1.1	1.2	0.4	2.1	42.8	1.9	0.195	3500	4136
3×120	1.2	1.2	0.4	2.2	46.6	2.0	0.154	3500	5054
3×150	1.4	1.4	0.4	2.4	51.6	2.2	0.126	3500	6161
3×185	1.6	1.4	0.4	2.6	57.4	2.4	0.100	3500	7586
3×240	1.7	1.6	0.4	2.8	63.6	2.6	0.0762	3500	9676
3×300	1.8	1.6	0.4	3.0	70.2	2.8	0.0607	3500	11855
2×25+1×16	0.9	1.0	0.3	1.6	26.0	1.3	0.734	3500	1399
	0.7						1.16	3500	
2×35+1×16	0.9	1.0	0.3	1.7	27.6	1.4	0.529	3500	1670
	0.7						1.16	3500	
2×35+1×25	0.9	1.0	0.3	1.7	28.4	1.4	0.529	3500	1770
	0.9						0.734	3500	
2×50+1×25	1.0	1.0	0.3	1.8	31.4	1.5	0.391	3500	2205
	0.9						0.734	3500	
2×70+1×35	1.1	1.2	0.3	1.9	35.6	1.6	0.270	3500	2960
	0.9						0.529	3500	
2×95+1×50	1.1	1.2	0.4	2.1	40.4	1.8	0.195	3500	3944
	1.0						0.391	3500	
2×120+1×70	1.2	1.2	0.4	2.2	44.2	1.9	0.154	3500	4887
	1.1						0.270	3500	
2×150+1×95	1.4	1.4	0.4	2.4	49.2	2.1	0.126	3500	6052
	1.1						0.195	3500	
2×185+1×95	1.6	1.4	0.4	2.6	53.8	2.2	0.100	3500	7212
	1.1						0.195	3500	
2×240+1×120	1.7	1.6	0.4	2.8	59.6	2.4	0.0762	3500	9124
	1.2						0.154	3500	



海工高压电缆

海工低压电力、控制及照明电缆

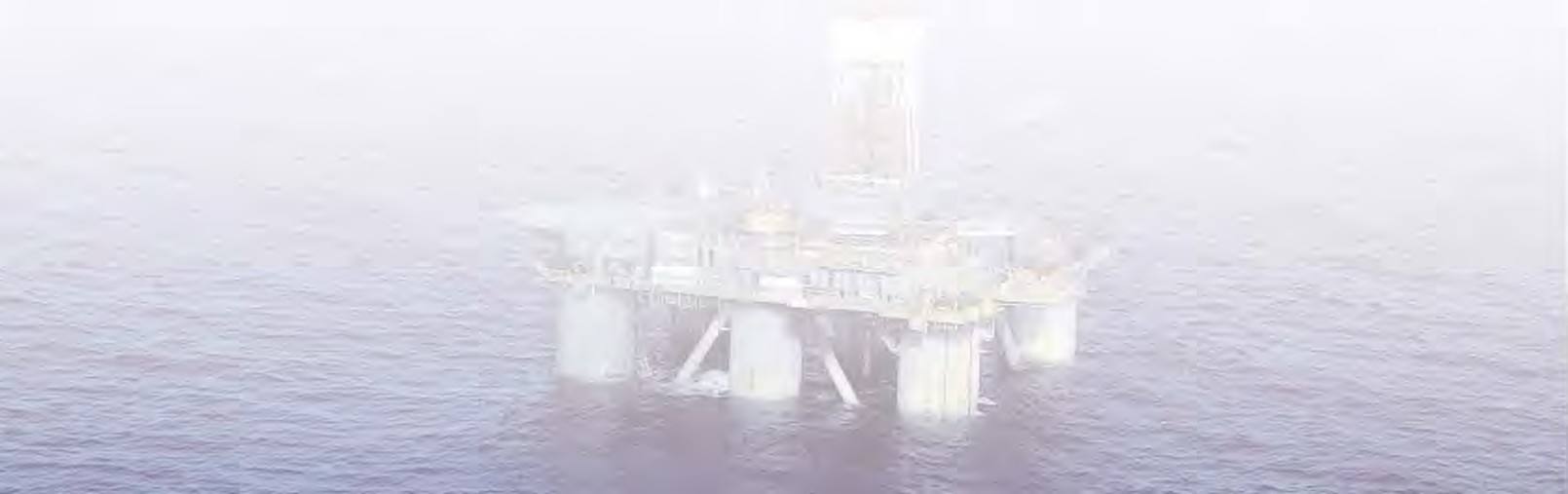
海工控制、仪表及通信电缆

海工接地线

技术资料

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	V/5min	kg/km
4×1.5	0.7	1.0	0.2	1.2	15.8	1.0	12.2	3500	364
4×2.5	0.7	1.0	0.2	1.2	16.8	1.0	7.56	3500	432
4×4	0.7	1.0	0.3	1.3	18.8	1.1	4.70	3500	577
4×6	0.7	1.0	0.3	1.3	20.0	1.1	3.11	3500	693
4×10	0.7	1.0	0.3	1.4	22.6	1.2	1.84	3500	926
4×16	0.7	1.0	0.3	1.5	25.0	1.3	1.16	3500	1195
4×25	0.9	1.0	0.3	1.6	29.6	1.4	0.734	3500	1733
4×35	0.9	1.0	0.3	1.8	32.2	1.5	0.529	3500	2203
4×50	1.0	1.2	0.3	1.9	36.8	1.7	0.391	3500	2909
4×70	1.1	1.2	0.3	2.1	41.8	1.8	0.270	3500	3940
4×95	1.1	1.2	0.4	2.2	47.0	2.0	0.195	3500	5222
4×120	1.2	1.4	0.4	2.4	52.0	2.2	0.154	3500	6521
4×150	1.4	1.4	0.4	2.6	57.0	2.3	0.126	3500	7862
4×185	1.6	1.6	0.4	2.8	63.8	2.6	0.100	3500	9741
4×240	1.7	1.6	0.4	3.0	70.2	2.8	0.0762	3500	12360
4×300	1.8	1.6	0.4	3.2	77.6	3.0	0.0607	3500	15195
3×25+1×16	0.9	1.0	0.3	1.6	28.2	1.4	0.734	3500	1678
	0.7						1.16	3500	
3×35+1×16	0.9	1.0	0.3	1.8	30.4	1.5	0.529	3500	2073
	0.7						1.16	3500	
3×35+1×25	0.9	1.0	0.3	1.8	31.4	1.5	0.529	3500	2182
	0.9						0.734	3500	
3×50+1×25	1.0	1.2	0.3	1.9	35.2	1.6	0.391	3500	2788
	0.9						0.734	3500	
3×70+1×35	1.1	1.2	0.3	2.1	39.6	1.8	0.270	3500	3737
	0.9						0.529	3500	
3×95+1×50	1.1	1.2	0.4	2.2	44.6	1.9	0.195	3500	4937
	1.0						0.391	3500	
3×120+1×70	1.2	1.4	0.4	2.4	49.6	2.1	0.154	3500	6220
	1.1						0.270	3500	
3×150+1×95	1.4	1.4	0.4	2.6	54.6	2.3	0.126	3500	7596
	1.1						0.195	3500	
3×185+1×95	1.6	1.6	0.4	2.8	60.2	2.5	0.100	3500	9206
	1.1						0.195	3500	
3×240+1×120	1.7	1.6	0.4	3.0	66.2	2.7	0.0762	3500	11613
	1.2						0.154	3500	

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	V/5min	kg/km
5×1.5	0.7	1.0	0.2	1.2	17.0	1.0	12.2	3500	419
7×1.5	0.7	1.0	0.3	1.3	18.8	1.1	12.2	3500	485
10×1.5	0.7	1.0	0.3	1.4	23.0	1.2	12.2	3500	692
12×1.5	0.7	1.0	0.3	1.4	23.8	1.2	12.2	3500	756
14×1.5	0.7	1.0	0.3	1.5	25.0	1.3	12.2	3500	815
16×1.5	0.7	1.0	0.3	1.5	26.2	1.3	12.2	3500	900
19×1.5	0.7	1.0	0.3	1.5	27.4	1.4	12.2	3500	989
24×1.5	0.7	1.0	0.3	1.7	31.8	1.5	12.2	3500	1272
27×1.5	0.7	1.0	0.3	1.7	32.4	1.5	12.2	3500	1354
30×1.5	0.7	1.0	0.3	1.7	33.6	1.6	12.2	3500	1438
37×1.5	0.7	1.0	0.3	1.8	36.2	1.7	12.2	3500	1686
5×2.5	0.7	1.0	0.3	1.3	18.6	1.1	7.56	3500	537
10×2.5	0.7	1.0	0.3	1.5	24.8	1.3	7.56	3500	853
12×2.5	0.7	1.0	0.3	1.5	25.6	1.3	7.56	3500	938
14×2.5	0.7	1.0	0.3	1.5	26.6	1.3	7.56	3500	994
16×2.5	0.7	1.0	0.3	1.6	28.2	1.4	7.56	3500	1121
19×2.5	0.7	1.0	0.3	1.6	29.6	1.4	7.56	3500	1249
24×2.5	0.7	1.0	0.3	1.8	34.4	1.6	7.56	3500	1606
27×2.5	0.7	1.0	0.3	1.8	35.2	1.6	7.56	3500	1730
30×2.5	0.7	1.0	0.3	1.8	36.2	1.7	7.56	3500	1822
37×2.5	0.7	1.2	0.3	1.9	39.6	1.8	7.56	3500	2206
5×4	0.7	1.0	0.3	1.3	20.2	1.1	4.70	3500	666
10×4	0.7	1.0	0.3	1.5	27.2	1.4	4.70	3500	1080
12×4	0.7	1.0	0.3	1.6	28.2	1.4	4.70	3500	1204
14×4	0.7	1.0	0.3	1.6	29.6	1.4	4.70	3500	1303
16×4	0.7	1.0	0.3	1.7	31.2	1.5	4.70	3500	1462
19×4	0.7	1.0	0.3	1.7	32.8	1.5	4.70	3500	1640
24×4	0.7	1.0	0.3	1.9	38.2	1.7	4.70	3500	2111
27×4	0.7	1.2	0.3	1.9	39.4	1.8	4.70	3500	2317
30×4	0.7	1.2	0.3	1.9	40.8	1.8	4.70	3500	2475
37×4	0.7	1.2	0.3	2.0	44.0	1.9	4.70	3500	2931
4×25+1×16	0.9	1.0	0.3	1.7	31.2	1.5	0.734	3500	2023
	0.7						1.16	3500	
4×35+1×16	0.9	1.0	0.3	1.9	33.6	1.6	0.529	3500	2511
	0.7						1.16	3500	
4×35+1×25	0.9	1.0	0.3	1.9	34.6	1.6	0.529	3500	2629
	0.9						0.734	3500	
4×50+1×25	1.0	1.2	0.3	2.0	38.8	1.7	0.391	3500	3373
	0.9						0.734	3500	
4×70+1×35	1.1	1.2	0.4	2.2	44.2	1.9	0.270	3500	4637
	0.9						0.529	3500	
4×95+1×50	1.1	1.4	0.4	2.4	50.0	2.1	0.195	3500	6115
	1.0						0.391	3500	
4×120+1×70	1.2	1.4	0.4	2.6	55.2	2.3	0.154	3500	7643
	1.1						0.270	3500	
4×150+1×95	1.4	1.6	0.4	2.8	61.2	2.5	0.126	3500	9376
	1.1						0.195	3500	
4×185+1×95	1.6	1.6	0.4	3.0	67.0	2.7	0.100	3500	11297
	1.1						0.195	3500	
4×240+1×120	1.7	1.6	0.4	3.2	73.8	2.9	0.0762	3500	14315
	1.2						0.154	3500	



海工高压电缆

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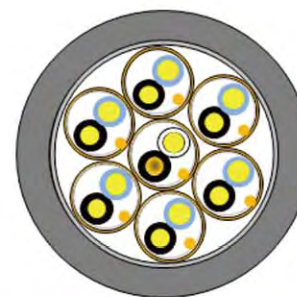
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电缆型号 CABLE DESIGNATION S11
150/250V RU(i)

参照标准 APPLICATION STANDARD

设计 Design Guide	NEK TS 606& IEC 60092-376
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
低烟 Low Smoke	IEC 61034
无卤 Halogen Free	IEC 60754
低温弯曲 Cold bend (-40°C)	IEC 60092-350
低温冲击 Cold impact (-35°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	代号 Code	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	
绝缘 Insulation	R	乙丙橡胶 Ethylene propylene rubber (EPR)	
对绞 Twisting		两根/三根绝缘线芯需绞合形成对线组/三线组 Two/ Three Insulated cores shall be twisted together to form a Pair/Triad	
外护套 Outer sheath	U	热固性无卤聚烯烃 SHF2 Halogen-free thermoset compound	
分屏蔽 Individually screen	(i)	铜塑复合带+镀锡引流线 CU/PS tape+Tinned copper drain wire	
线芯标识 Core Identification		单元 No. of Units	标识方法 Identification
		对线组 Pair	黑、浅蓝 Black, Light Blue
		三线组 Triad	黑、浅蓝、棕 Black, Light Blue, Brown
		多单元 Mult-units	绝缘线芯印数字 Number printing on the insulation

海工高压电缆

海工低压电力、控制及照明电缆

海工控制、仪表及通信电缆

海工接地线

技术资料

No.×mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	±mm	Ω/km	V/5min	kg/km
1×2×0.75	0.6	1.0	7.4	0.8	24.8	1500	76
2×2×0.75	0.6	1.1	11.4	0.8	24.8	1500	198
3×2×0.75	0.6	1.1	12.0	0.8	24.8	1500	223
4×2×0.75	0.6	1.2	13.4	0.9	24.8	1500	303
7×2×0.75	0.6	1.3	16.0	1.0	24.8	1500	455
10×2×0.75	0.6	1.4	20.6	1.3	24.8	1500	699
12×2×0.75	0.6	1.5	21.4	1.3	24.8	1500	785
14×2×0.75	0.6	1.5	22.4	1.4	24.8	1500	843
16×2×0.75	0.6	1.5	23.8	1.4	24.8	1500	958
19×2×0.75	0.6	1.6	25.2	1.5	24.8	1500	1078
24×2×0.75	0.6	1.7	29.6	1.7	24.8	1500	1397
27×2×0.75	0.6	1.8	30.6	1.8	24.8	1500	1538
30×2×0.75	0.6	1.8	31.6	1.8	24.8	1500	1625
37×2×0.75	0.6	1.9	34.4	2.0	24.8	1500	1948
1×2×1.5	0.7	1.0	8.8	0.8	12.2	1500	111
2×2×1.5	0.7	1.2	14.0	0.9	12.2	1500	305
3×2×1.5	0.7	1.2	15.0	1.0	12.2	1500	356
4×2×1.5	0.7	1.3	16.6	1.1	12.2	1500	476
7×2×1.5	0.7	1.4	20.0	1.2	12.2	1500	729
10×2×1.5	0.7	1.6	26.0	1.5	12.2	1500	1134
12×2×1.5	0.7	1.6	26.8	1.6	12.2	1500	1262
14×2×1.5	0.7	1.7	28.4	1.7	12.2	1500	1380
16×2×1.5	0.7	1.7	30.0	1.7	12.2	1500	1560
19×2×1.5	0.7	1.8	31.8	1.8	12.2	1500	1758
24×2×1.5	0.7	2.0	37.8	2.1	12.2	1500	2310
27×2×1.5	0.7	2.0	38.6	2.2	12.2	1500	2504
30×2×1.5	0.7	2.1	40.2	2.3	12.2	1500	2675
37×2×1.5	0.7	2.2	43.6	2.4	12.2	1500	3191
1×2×2.5	0.7	1.1	9.8	0.8	7.56	1500	146
2×2×2.5	0.7	1.3	15.8	1.0	7.56	1500	402
3×2×2.5	0.7	1.3	16.6	1.1	7.56	1500	463
4×2×2.5	0.7	1.4	18.6	1.2	7.56	1500	631
7×2×2.5	0.7	1.5	22.4	1.4	7.56	1500	974
10×2×2.5	0.7	1.7	29.0	1.7	7.56	1500	1497
12×2×2.5	0.7	1.7	30.0	1.7	7.56	1500	1683
14×2×2.5	0.7	1.8	31.8	1.8	7.56	1500	1837
16×2×2.5	0.7	1.9	33.8	1.9	7.56	1500	2099
19×2×2.5	0.7	1.9	35.6	2.0	7.56	1500	2351
24×2×2.5	0.7	2.2	42.4	2.4	7.56	1500	3090
27×2×2.5	0.7	2.2	43.4	2.4	7.56	1500	3371
30×2×2.5	0.7	2.3	45.2	2.5	7.56	1500	3619
37×2×2.5	0.7	2.4	49.0	2.7	7.56	1500	4312

No.×mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	±mm	Ω/km	V/5min	kg/km
1×3×0.75	0.6	1.0	7.8	0.8	24.8	1500	89
2×3×0.75	0.6	1.2	12.8	0.9	24.8	1500	246
3×3×0.75	0.6	1.2	13.6	0.9	24.8	1500	289
4×3×0.75	0.6	1.2	14.8	1.0	24.8	1500	374
7×3×0.75	0.6	1.3	18.0	1.1	24.8	1500	580
10×3×0.75	0.6	1.5	23.2	1.4	24.8	1500	886
12×3×0.75	0.6	1.5	24.0	1.4	24.8	1500	999
14×3×0.75	0.6	1.6	25.4	1.5	24.8	1500	1088
16×3×0.75	0.6	1.6	26.8	1.6	24.8	1500	1229
19×3×0.75	0.6	1.7	28.4	1.7	24.8	1500	1397
24×3×0.75	0.6	1.9	33.8	1.9	24.8	1500	1833
27×3×0.75	0.6	1.9	34.6	2.0	24.8	1500	1991
30×3×0.75	0.6	1.9	35.8	2.0	24.8	1500	2122
37×3×0.75	0.6	2.1	39.0	2.2	24.8	1500	2548
1×3×1.5	0.7	1.0	9.4	0.8	12.2	1500	136
2×3×1.5	0.7	1.3	15.8	1.0	12.2	1500	386
3×3×1.5	0.7	1.3	16.8	1.1	12.2	1500	454
4×3×1.5	0.7	1.4	18.6	1.2	12.2	1500	610
7×3×1.5	0.7	1.5	22.6	1.4	12.2	1500	950
10×3×1.5	0.7	1.7	29.2	1.7	12.2	1500	1448
12×3×1.5	0.7	1.7	30.2	1.8	12.2	1500	1630
14×3×1.5	0.7	1.8	32.0	1.8	12.2	1500	1786
16×3×1.5	0.7	1.9	34.0	1.9	12.2	1500	2040
19×3×1.5	0.7	1.9	36.0	2.0	12.2	1500	2308
24×3×1.5	0.7	2.2	42.8	2.4	12.2	1500	3017
27×3×1.5	0.7	2.2	43.8	2.4	12.2	1500	3294
30×3×1.5	0.7	2.3	45.6	2.5	12.2	1500	3532
37×3×1.5	0.7	2.4	49.6	2.7	12.2	1500	4239
1×3×2.5	0.7	1.1	10.4	0.8	7.56	1500	182
2×3×2.5	0.7	1.3	17.4	1.1	7.56	1500	499
3×3×2.5	0.7	1.4	18.6	1.2	7.56	1500	601
4×3×2.5	0.7	1.4	20.6	1.3	7.56	1500	803
7×3×2.5	0.7	1.6	25.0	1.5	7.56	1500	1265
10×3×2.5	0.7	1.8	32.4	1.9	7.56	1500	1929
12×3×2.5	0.7	1.9	33.8	1.9	7.56	1500	2211
14×3×2.5	0.7	1.9	35.6	2.0	7.56	1500	2411
16×3×2.5	0.7	2.0	37.8	2.1	7.56	1500	2753
19×3×2.5	0.7	2.1	40.2	2.3	7.56	1500	3140
24×3×2.5	0.7	2.4	47.8	2.6	7.56	1500	4099
27×3×2.5	0.7	2.4	48.8	2.7	7.56	1500	4459
30×3×2.5	0.7	2.5	50.8	2.8	7.56	1500	4807
37×3×2.5	0.7	2.6	55.2	3.0	7.56	1500	5766

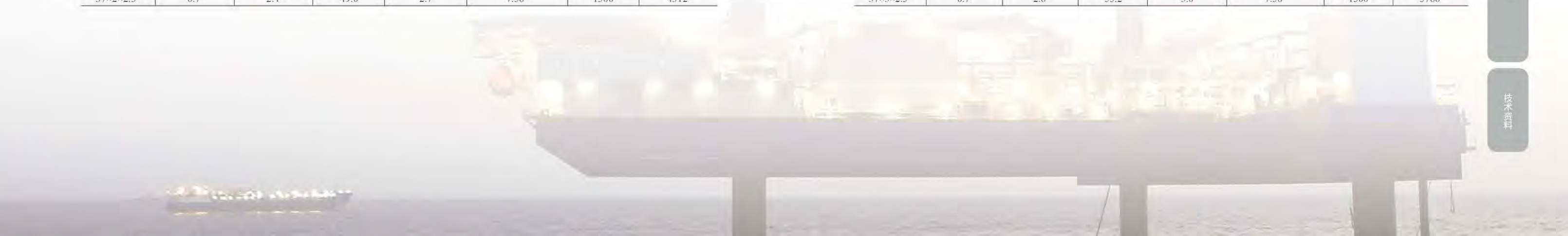
海工高压电缆

海工低电压、控制及照明电缆

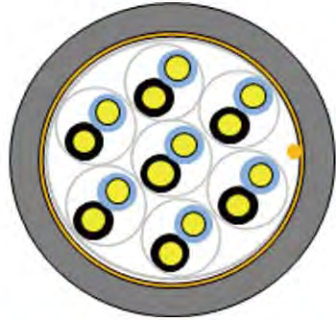
海工控制、仪表及通信电缆

海工接地线

技术资料



OFFSHORE CABLES FOR CONTROL, INSTRUMENTATION AND TELECOMMUNICATION
海工控制、仪表及通信电缆



电缆型号 CABLE DESIGNATION S12
150/250V RU(c)

参照标准 APPLICATION STANDARD

设计 Design Guide	NEK TS 606& IEC 60092-376
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
低烟 Low Smoke	IEC 61034
无卤 Halogen free	IEC 60754
低温弯曲 Cold bend (-40°C)	IEC 60092-350
低温冲击 Cold impact (-35°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	代号 Code	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	
绝缘 Insulation	R	乙丙橡胶 Ethylene propylene rubber (EPR)	
绞合 Twisting		两根/三根绝缘线芯需绞合成对组/三线组 Two/ Three Insulated cores shall be twisted together to form a Pair/Triad	
外护套 Outer sheath	U	热固性无卤聚烯烃SHP2 Halogen-free thermoset compound	
分屏蔽 Individually screen	(c)	铜塑复合带+镀锡引流线 CU/PS tape+Tinned copper drain wire	
线芯标识 Core Identification		单元 No. of U/nits	标识方法 Identification
		对线组 Pair	黑、浅蓝 Black, Light Blue
		三线组 Triad	黑、浅蓝、棕 Black, Light Blue, Brown
		多单元 Multi-units	绝缘线芯印数字 Number printing on the insulation

No.×mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	±mm	Ω/km	V/5min	kg/km
1×2×0.75	0.6	1.0	7.4	0.8	24.8	1500	76
2×2×0.75	0.6	1.1	10.6	0.8	24.8	1500	181
3×2×0.75	0.6	1.1	11.2	0.8	24.8	1500	200
4×2×0.75	0.6	1.1	12.2	0.9	24.8	1500	257
7×2×0.75	0.6	1.2	14.6	1.0	24.8	1500	379
10×2×0.75	0.6	1.4	18.8	1.2	24.8	1500	587
12×2×0.75	0.6	1.4	19.4	1.2	24.8	1500	646
14×2×0.75	0.6	1.4	20.2	1.3	24.8	1500	679
16×2×0.75	0.6	1.5	21.6	1.3	24.8	1500	781
19×2×0.75	0.6	1.5	22.8	1.4	24.8	1500	864
24×2×0.75	0.6	1.7	26.8	1.6	24.8	1500	1127
27×2×0.75	0.6	1.7	27.4	1.6	24.8	1500	1211
30×2×0.75	0.6	1.7	28.4	1.7	24.8	1500	1276
37×2×0.75	0.6	1.8	30.8	1.8	24.8	1500	1510
1×2×1.5	0.7	1.0	8.8	0.8	12.2	1500	111
2×2×1.5	0.7	1.2	13.0	0.9	12.2	1500	282
3×2×1.5	0.7	1.2	13.8	0.9	12.2	1500	315
4×2×1.5	0.7	1.2	15.2	1.0	12.2	1500	415
7×2×1.5	0.7	1.4	18.4	1.2	12.2	1500	624
10×2×1.5	0.7	1.5	23.6	1.4	12.2	1500	960
12×2×1.5	0.7	1.6	24.6	1.5	12.2	1500	1076
14×2×1.5	0.7	1.6	25.8	1.5	12.2	1500	1143
16×2×1.5	0.7	1.7	27.4	1.6	12.2	1500	1303
19×2×1.5	0.7	1.7	28.8	1.7	12.2	1500	1438
24×2×1.5	0.7	1.9	34.2	2.0	12.2	1500	1896
27×2×1.5	0.7	1.9	35.0	2.0	12.2	1500	2043
30×2×1.5	0.7	2.0	36.4	2.1	12.2	1500	2176
37×2×1.5	0.7	2.1	39.4	2.2	12.2	1500	2567
1×2×2.5	0.7	1.1	9.8	0.8	7.56	1500	146
2×2×2.5	0.7	1.2	14.4	1.0	7.56	1500	363
3×2×2.5	0.7	1.3	15.4	1.0	7.56	1500	420
4×2×2.5	0.7	1.3	17.0	1.1	7.56	1500	557
7×2×2.5	0.7	1.4	20.4	1.3	7.56	1500	841
10×2×2.5	0.7	1.6	26.4	1.6	7.56	1500	1298
12×2×2.5	0.7	1.7	27.4	1.6	7.56	1500	1454
14×2×2.5	0.7	1.7	28.8	1.7	7.56	1500	1557
16×2×2.5	0.7	1.8	30.6	1.8	7.56	1500	1776
19×2×2.5	0.7	1.8	32.4	1.9	7.56	1500	1993
24×2×2.5	0.7	2.1	38.6	2.2	7.56	1500	2625
27×2×2.5	0.7	2.1	39.4	2.2	7.56	1500	2840
30×2×2.5	0.7	2.1	40.8	2.3	7.56	1500	3011
37×2×2.5	0.7	2.3	44.4	2.5	7.56	1500	3594



海工高压电缆

海工低电压、控制及照明电缆

海工控制、仪表及通信电缆

海工接地线

技术资料

No. × mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 °C	Test voltage	Approx. Weight
	mm	mm	mm	±mm	Ω/km	V/5min	kg/km
1×3×0.75	0.6	1.0	7.8	0.8	24.8	1500	89
2×3×0.75	0.6	1.1	11.8	0.8	24.8	1500	225
3×3×0.75	0.6	1.2	12.6	0.9	24.8	1500	259
4×3×0.75	0.6	1.2	13.8	0.9	24.8	1500	337
7×3×0.75	0.6	1.3	16.6	1.1	24.8	1500	505
10×3×0.75	0.6	1.5	21.2	1.3	24.8	1500	768
12×3×0.75	0.6	1.5	22.0	1.3	24.8	1500	860
14×3×0.75	0.6	1.5	23.0	1.4	24.8	1500	915
16×3×0.75	0.6	1.6	24.4	1.5	24.8	1500	1043
19×3×0.75	0.6	1.6	25.8	1.5	24.8	1500	1164
24×3×0.75	0.6	1.8	30.6	1.8	24.8	1500	1530
27×3×0.75	0.6	1.8	31.2	1.8	24.8	1500	1644
30×3×0.75	0.6	1.9	32.6	1.9	24.8	1500	1771
37×3×0.75	0.6	2.0	35.4	2.0	24.8	1500	2104
1×3×1.5	0.7	1.0	9.4	0.8	12.2	1500	136
2×3×1.5	0.7	1.2	14.6	1.0	12.2	1500	358
3×3×1.5	0.7	1.3	15.6	1.0	12.2	1500	415
4×3×1.5	0.7	1.3	17.2	1.1	12.2	1500	547
7×3×1.5	0.7	1.4	20.6	1.3	12.2	1500	824
10×3×1.5	0.7	1.6	26.6	1.6	12.2	1500	1265
12×3×1.5	0.7	1.7	27.8	1.6	12.2	1500	1436
14×3×1.5	0.7	1.7	29.2	1.7	12.2	1500	1544
16×3×1.5	0.7	1.8	31.0	1.8	12.2	1500	1753
19×3×1.5	0.7	1.9	33.0	1.9	12.2	1500	1990
24×3×1.5	0.7	2.1	39.0	2.2	12.2	1500	2591
27×3×1.5	0.7	2.1	39.8	2.2	12.2	1500	2797
30×3×1.5	0.7	2.1	41.2	2.3	12.2	1500	2972
37×3×1.5	0.7	2.3	45.0	2.5	12.2	1500	3568
1×3×2.5	0.7	1.1	10.4	0.8	7.56	1500	182
2×3×2.5	0.7	1.3	16.2	1.1	7.56	1500	471
3×3×2.5	0.7	1.3	17.2	1.1	7.56	1500	552
4×3×2.5	0.7	1.4	19.0	1.2	7.56	1500	732
7×3×2.5	0.7	1.5	23.0	1.4	7.56	1500	1134
10×3×2.5	0.7	1.8	29.8	1.7	7.56	1500	1736
12×3×2.5	0.7	1.8	30.8	1.8	7.56	1500	1953
14×3×2.5	0.7	1.9	32.6	1.9	7.56	1500	2136
16×3×2.5	0.7	1.9	34.4	2.0	7.56	1500	2416
19×3×2.5	0.7	2.0	36.6	2.1	7.56	1500	2744
24×3×2.5	0.7	2.2	43.4	2.4	7.56	1500	3575
27×3×2.5	0.7	2.3	44.6	2.5	7.56	1500	3915
30×3×2.5	0.7	2.3	46.2	2.6	7.56	1500	4182
37×3×2.5	0.7	2.5	50.4	2.8	7.56	1500	5028

OFFSHORE CABLES FOR CONTROL, INSTRUMENTATION AND TELECOMMUNICATION
海工控制、仪表及通信电缆



电缆型号 CABLE DESIGNATION S1, S1/S5
150/250V RFOU(i)

参照标准 APPLICATION STANDARD

设计 Design Guide	NEK TS 606 & IEC 60092-376
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
低烟 Low Smoke	IEC 61034
无卤 Halogen free	IEC 60754
耐泥浆 Mud resistant	NEK TS 606 (Mud type only)
低温弯曲 Cold bend (-40°C)	IEC 60092-350
低温冲击 Cold impact (-35°C)	IEC 60092-350
最大额定导体运行温度 Max. Rated Conductor Temperature:	90°C

结构 CONSTRUCTION

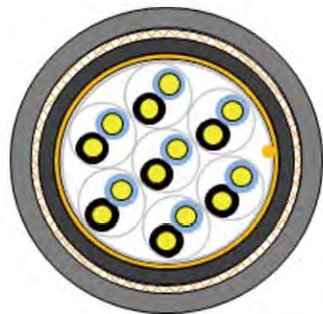
类别 Classification	代号 Code	结构描述 Construction Detail
导体 Conductor		2类绞合镀锌铜或裸铜 Tinned or plain stranded copper, class 2
绝缘 Insulation	R	乙丙橡胶 Ethylene propylene rubber (EPR)
对绞 Twisting		两根/三根绝缘线芯需绞合形成对线组/三线组 Two/ Three Insulated cores shall be twisted together to form a Pair/Triad
内护套 Inner covering	F	无卤聚合物 Halogen-free compound
编织/铠装 Braid/Armor	O	镀锌铜丝 Tinned copper wire
外护套 Outer sheath	U	热固性无卤聚烯烃 SHF2 Halogen-free thermoset compound 热固性耐泥浆无卤聚烯烃 SHF Mud Ifalogen-free mud resistant thermoset compound
分屏蔽 Individually screen	(i)	铜塑复合带+镀锌引流线 CU/PS tape+Tinned copper drain wire
线芯标识 Core Identification	单元 No. of Units	标识方法 Identification
	对线组 Pair	黑、浅蓝 Black, Light Blue
	三线组 Triad	黑、浅蓝、棕 Black, Light Blue, Brown
	多单元 Mult-units	绝缘线芯印数字 Number printing on the insulation

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	V/5min	kg/km
1×2×0.75	0.6	1.0	0.2	1.0	10.2	0.8	24.8	1500	152
2×2×0.75	0.6	1.0	0.2	1.2	14.4	1.0	24.8	1500	326
3×2×0.75	0.6	1.0	0.2	1.2	15.0	1.0	24.8	1500	358
4×2×0.75	0.6	1.0	0.3	1.3	16.8	1.1	24.8	1500	483
7×2×0.75	0.6	1.0	0.3	1.4	19.4	1.2	24.8	1500	668
10×2×0.75	0.6	1.0	0.3	1.5	24.0	1.4	24.8	1500	972
12×2×0.75	0.6	1.0	0.3	1.5	24.6	1.5	24.8	1500	1055
14×2×0.75	0.6	1.0	0.3	1.6	25.8	1.5	24.8	1500	1140
16×2×0.75	0.6	1.0	0.3	1.6	27.2	1.6	24.8	1500	1272
19×2×0.75	0.6	1.0	0.3	1.7	28.6	1.7	24.8	1500	1411
24×2×0.75	0.6	1.0	0.3	1.8	33.0	1.9	24.8	1500	1787
27×2×0.75	0.6	1.0	0.3	1.9	34.0	1.9	24.8	1500	1941
30×2×0.75	0.6	1.2	0.3	1.9	35.4	2.0	24.8	1500	2080
37×2×0.75	0.6	1.2	0.3	2.0	38.2	2.2	24.8	1500	2442
1×2×1.5	0.7	1.0	0.2	1.1	11.8	0.8	12.2	1500	207
2×2×1.5	0.7	1.0	0.3	1.3	17.4	1.1	12.2	1500	492
3×2×1.5	0.7	1.0	0.3	1.3	18.4	1.2	12.2	1500	556
4×2×1.5	0.7	1.0	0.3	1.4	20.0	1.2	12.2	1500	696
7×2×1.5	0.7	1.0	0.3	1.5	23.4	1.4	12.2	1500	993
10×2×1.5	0.7	1.0	0.3	1.7	29.4	1.7	12.2	1500	1475
12×2×1.5	0.7	1.0	0.3	1.7	30.2	1.8	12.2	1500	1613
14×2×1.5	0.7	1.0	0.3	1.8	31.8	1.8	12.2	1500	1752
16×2×1.5	0.7	1.0	0.3	1.8	33.4	1.9	12.2	1500	1953
19×2×1.5	0.7	1.0	0.3	1.9	35.2	2.0	12.2	1500	2174
24×2×1.5	0.7	1.2	0.4	2.1	42.0	2.3	12.2	1500	2933
27×2×1.5	0.7	1.2	0.4	2.1	42.8	2.4	12.2	1500	3141
30×2×1.5	0.7	1.2	0.4	2.2	44.4	2.5	12.2	1500	3336
37×2×1.5	0.7	1.2	0.4	2.3	47.8	2.6	12.2	1500	3909
1×2×2.5	0.7	1.0	0.2	1.1	12.6	0.9	7.56	1500	246
2×2×2.5	0.7	1.0	0.3	1.3	19.0	1.2	7.56	1500	602
3×2×2.5	0.7	1.0	0.3	1.4	20.0	1.2	7.56	1500	685
4×2×2.5	0.7	1.0	0.3	1.4	21.8	1.3	7.56	1500	866
7×2×2.5	0.7	1.0	0.3	1.6	25.8	1.5	7.56	1500	1269
10×2×2.5	0.7	1.0	0.3	1.8	32.4	1.9	7.56	1500	1879
12×2×2.5	0.7	1.0	0.3	1.8	33.4	1.9	7.56	1500	2078
14×2×2.5	0.7	1.2	0.3	1.9	35.6	2.0	7.56	1500	2294
16×2×2.5	0.7	1.2	0.3	2.0	37.6	2.1	7.56	1500	2584
19×2×2.5	0.7	1.2	0.3	2.0	39.4	2.2	7.56	1500	2862
24×2×2.5	0.7	1.2	0.4	2.3	46.6	2.6	7.56	1500	3791
27×2×2.5	0.7	1.2	0.4	2.3	47.6	2.6	7.56	1500	4088
30×2×2.5	0.7	1.4	0.4	2.4	49.8	2.7	7.56	1500	4421
37×2×2.5	0.7	1.4	0.4	2.5	53.6	2.9	7.56	1500	5181

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	V/5min	kg/km
1×3×0.75	0.6	1.0	0.2	1.1	10.8	0.8	24.8	1500	175
2×3×0.75	0.6	1.0	0.2	1.2	15.6	1.0	24.8	1500	380
3×3×0.75	0.6	1.0	0.3	1.3	17.0	1.1	24.8	1500	471
4×3×0.75	0.6	1.0	0.3	1.3	18.2	1.2	24.8	1500	572
7×3×0.75	0.6	1.0	0.3	1.4	21.4	1.3	24.8	1500	819
10×3×0.75	0.6	1.0	0.3	1.6	26.6	1.6	24.8	1500	1192
12×3×0.75	0.6	1.0	0.3	1.6	27.4	1.6	24.8	1500	1316
14×3×0.75	0.6	1.0	0.3	1.7	28.8	1.7	24.8	1500	1423
16×3×0.75	0.6	1.0	0.3	1.7	30.2	1.8	24.8	1500	1583
19×3×0.75	0.6	1.0	0.3	1.8	31.8	1.8	24.8	1500	1771
24×3×0.75	0.6	1.2	0.3	2.0	37.6	2.1	24.8	1500	2319
27×3×0.75	0.6	1.2	0.3	2.0	38.4	2.2	24.8	1500	2487
30×3×0.75	0.6	1.2	0.3	2.0	39.6	2.2	24.8	1500	2636
37×3×0.75	0.6	1.2	0.4	2.2	43.2	2.4	24.8	1500	3195
1×3×1.5	0.7	1.0	0.2	1.1	12.4	0.9	12.2	1500	238
2×3×1.5	0.7	1.0	0.3	1.3	19.0	1.2	12.2	1500	585
3×3×1.5	0.7	1.0	0.3	1.4	20.2	1.3	12.2	1500	676
4×3×1.5	0.7	1.0	0.3	1.4	21.8	1.3	12.2	1500	844
7×3×1.5	0.7	1.0	0.3	1.6	26.0	1.5	12.2	1500	1248
10×3×1.5	0.7	1.0	0.3	1.8	32.6	1.9	12.2	1500	1830
12×3×1.5	0.7	1.0	0.3	1.8	33.6	1.9	12.2	1500	2026
14×3×1.5	0.7	1.2	0.3	1.9	35.8	2.0	12.2	1500	2244
16×3×1.5	0.7	1.2	0.3	2.0	37.8	2.1	12.2	1500	2525
19×3×1.5	0.7	1.2	0.3	2.0	39.8	2.2	12.2	1500	2822
24×3×1.5	0.7	1.2	0.4	2.3	47.0	2.6	12.2	1500	3721
27×3×1.5	0.7	1.2	0.4	2.3	48.0	2.6	12.2	1500	4015
30×3×1.5	0.7	1.4	0.4	2.4	50.2	2.8	12.2	1500	4336
37×3×1.5	0.7	1.4	0.4	2.5	54.2	3.0	12.2	1500	5113
1×3×2.5	0.7	1.0	0.2	1.1	13.2	0.9	7.56	1500	288
2×3×2.5	0.7	1.0	0.3	1.4	20.8	1.3	7.56	1500	731
3×3×2.5	0.7	1.0	0.3	1.5	22.0	1.3	7.56	1500	849
4×3×2.5	0.7	1.0	0.3	1.5	24.0	1.4	7.56	1500	1077
7×3×2.5	0.7	1.0	0.3	1.7	28.4	1.7	7.56	1500	1596
10×3×2.5	0.7	1.2	0.3	1.9	36.2	2.1	7.56	1500	2397
12×3×2.5	0.7	1.2	0.3	2.0	37.6	2.1	7.56	1500	2698
14×3×2.5	0.7	1.2	0.3	2.0	39.4	2.2	7.56	1500	2924
16×3×2.5	0.7	1.2	0.4	2.1	42.0	2.3	7.56	1500	3382
19×3×2.5	0.7	1.2	0.4	2.2	44.4	2.5	7.56	1500	3807
24×3×2.5	0.7	1.4	0.4	2.5	52.4	2.9	7.56	1500	4949
27×3×2.5	0.7	1.4	0.4	2.5	53.4	2.9	7.56	1500	5328
30×3×2.5	0.7	1.4	0.4	2.6	55.4	3.0	7.56	1500	5714
37×3×2.5	0.7	1.6	0.4	2.7	60.2	3.3	7.56	1500	6818



OFFSHORE CABLES FOR CONTROL, INSTRUMENTATION AND TELECOMMUNICATION
海工控制、仪表及通信电缆



电缆型号 CABLE DESIGNATION S2, S2/S6
150/250V RFOU(c)

参照标准 APPLICATION STANDARD

设计 Design Guide	NEK TS 606& IEC 60092-376
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
低烟 Low Smoke	IEC 61034
无卤 Halogen free	IEC 60754
耐泥浆 Mud resistant	NEK TS 606 (Mud type only)
低温弯曲 Cold bend (-40°C)	IEC 60092-350
低温冲击 Cold impact (-35°C)	IEC 60092-350
最大额定导体运行温度 Max. Rated Conductor Temperature:	90°C

结构 CONSTRUCTION

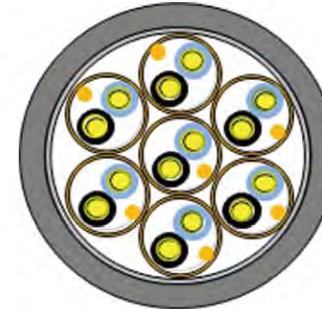
类别 Classification	代号 Code	结构描述 Construction Detail	
导体 Conductor		2类绞合镀锌铜或裸铜 Tinned or plain stranded copper, class 2	
绝缘 Insulation	R	乙丙橡胶 Ethylene propylene rubber (EPR)	
对绞 Twisting		两根/三根绝缘线芯需绞合形成对线组/三线组 Two/ Three Insulated cores shall be twisted together to form a Pair/Triad	
内护套 Inner covering	F	无卤聚合物 Halogen-free compound	
编织/铠装 Braid/Armor	O	镀锡铜丝 Tinned copper wire	
外护套 Outer sheath	U	热固性无卤聚烯烃 SHF2 Halogen-free thermoset compound 热固性耐泥浆无卤聚烯烃 SHF Mud Halogen-free mud resistant thermoset compound	
总屏蔽 Collective screen	(c)	铜塑复合带+镀锡引流线 CU/PS tape+Tinned copper drain wire	
线芯标识 Core Identification		单元 No. of Units	标识方法 Identification
		对线组 Pair	黑、浅蓝 Black, Light Blue
		三线组 Triad	黑、浅蓝、棕 Black, Light Blue, Brown
		多单元 Multi-units	绝缘线芯印数字 Number printing on the insulation

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	V/5min	kg/km
1×2×0.75	0.6	1.0	0.2	1.0	10.2	0.8	24.8	1500	152
2×2×0.75	0.6	1.0	0.2	1.2	13.6	0.9	24.8	1500	301
3×2×0.75	0.6	1.0	0.2	1.2	14.2	1.0	24.8	1500	327
4×2×0.75	0.6	1.0	0.2	1.2	15.2	1.0	24.8	1500	395
7×2×0.75	0.6	1.0	0.3	1.3	18.0	1.1	24.8	1500	576
10×2×0.75	0.6	1.0	0.3	1.5	22.2	1.4	24.8	1500	840
12×2×0.75	0.6	1.0	0.3	1.5	22.8	1.4	24.8	1500	907
14×2×0.75	0.6	1.0	0.3	1.5	23.6	1.4	24.8	1500	951
16×2×0.75	0.6	1.0	0.3	1.6	25.0	1.5	24.8	1500	1071
19×2×0.75	0.6	1.0	0.3	1.6	26.2	1.6	24.8	1500	1169
24×2×0.75	0.6	1.0	0.3	1.8	30.2	1.8	24.8	1500	1486
27×2×0.75	0.6	1.0	0.3	1.8	30.8	1.8	24.8	1500	1578
30×2×0.75	0.6	1.0	0.3	1.8	31.8	1.8	24.8	1500	1656
37×2×0.75	0.6	1.2	0.3	1.9	34.6	2.0	24.8	1500	1961
1×2×1.5	0.7	1.0	0.2	1.1	11.8	0.8	12.2	1500	207
2×2×1.5	0.7	1.0	0.2	1.2	15.8	1.0	12.2	1500	419
3×2×1.5	0.7	1.0	0.3	1.3	17.2	1.1	12.2	1500	500
4×2×1.5	0.7	1.0	0.3	1.3	18.6	1.2	12.2	1500	619
7×2×1.5	0.7	1.0	0.3	1.4	21.6	1.3	12.2	1500	857
10×2×1.5	0.7	1.0	0.3	1.6	27.0	1.6	12.2	1500	1273
12×2×1.5	0.7	1.0	0.3	1.7	28.0	1.6	12.2	1500	1401
14×2×1.5	0.7	1.0	0.3	1.7	29.2	1.7	12.2	1500	1485
16×2×1.5	0.7	1.0	0.3	1.8	30.8	1.8	12.2	1500	1666
19×2×1.5	0.7	1.0	0.3	1.8	32.2	1.9	12.2	1500	1820
24×2×1.5	0.7	1.2	0.3	2.0	38.0	2.1	12.2	1500	2390
27×2×1.5	0.7	1.2	0.3	2.0	38.8	2.2	12.2	1500	2548
30×2×1.5	0.7	1.2	0.4	2.1	40.6	2.3	12.2	1500	2783
37×2×1.5	0.7	1.2	0.4	2.2	43.6	2.4	12.2	1500	3224
1×2×2.5	0.7	1.0	0.2	1.1	12.6	0.9	7.56	1500	246
2×2×2.5	0.7	1.0	0.3	1.3	17.8	1.1	7.56	1500	556
3×2×2.5	0.7	1.0	0.3	1.3	18.6	1.2	7.56	1500	616
4×2×2.5	0.7	1.0	0.3	1.4	20.4	1.3	7.56	1500	785
7×2×2.5	0.7	1.0	0.3	1.5	23.8	1.4	7.56	1500	1113
10×2×2.5	0.7	1.0	0.3	1.7	29.8	1.7	7.56	1500	1649
12×2×2.5	0.7	1.0	0.3	1.8	30.8	1.8	7.56	1500	1818
14×2×2.5	0.7	1.0	0.3	1.8	32.2	1.9	7.56	1500	1940
16×2×2.5	0.7	1.0	0.3	1.9	34.0	1.9	7.56	1500	2183
19×2×2.5	0.7	1.2	0.3	1.9	36.2	2.1	7.56	1500	2463
24×2×2.5	0.7	1.2	0.4	2.2	42.8	2.4	7.56	1500	3271
27×2×2.5	0.7	1.2	0.4	2.2	43.6	2.4	7.56	1500	3499
30×2×2.5	0.7	1.2	0.4	2.3	45.2	2.5	7.56	1500	3719
37×2×2.5	0.7	1.4	0.4	2.4	49.0	2.7	7.56	1500	4391



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	V/5min	kg/km
1×3×0.75	0.6	1.0	0.2	1.1	10.8	0.8	24.8	1500	175
2×3×0.75	0.6	1.0	0.2	1.2	14.8	1.0	24.8	1500	358
3×3×0.75	0.6	1.0	0.2	1.2	15.4	1.0	24.8	1500	392
4×3×0.75	0.6	1.0	0.3	1.3	17.2	1.1	24.8	1500	523
7×3×0.75	0.6	1.0	0.3	1.4	20.0	1.2	24.8	1500	728
10×3×0.75	0.6	1.0	0.3	1.6	24.6	1.5	24.8	1500	1052
12×3×0.75	0.6	1.0	0.3	1.6	25.4	1.5	24.8	1500	1154
14×3×0.75	0.6	1.0	0.3	1.6	26.4	1.6	24.8	1500	1223
16×3×0.75	0.6	1.0	0.3	1.7	27.8	1.6	24.8	1500	1369
19×3×0.75	0.6	1.0	0.3	1.7	29.2	1.7	24.8	1500	1509
24×3×0.75	0.6	1.0	0.3	1.9	34.0	1.9	24.8	1500	1938
27×3×0.75	0.6	1.2	0.3	1.9	35.0	2.0	24.8	1500	2099
30×3×0.75	0.6	1.2	0.3	2.0	36.4	2.1	24.8	1500	2245
37×3×0.75	0.6	1.2	0.3	2.0	39.0	2.2	24.8	1500	2596
1×3×1.5	0.7	1.0	0.2	1.1	12.4	0.9	12.2	1500	238
2×3×1.5	0.7	1.0	0.3	1.3	18.0	1.1	12.2	1500	553
3×3×1.5	0.7	1.0	0.3	1.3	18.8	1.2	12.2	1500	613
4×3×1.5	0.7	1.0	0.3	1.4	20.6	1.3	12.2	1500	776
7×3×1.5	0.7	1.0	0.3	1.5	24.0	1.4	12.2	1500	1098
10×3×1.5	0.7	1.0	0.3	1.7	30.0	1.7	12.2	1500	1617
12×3×1.5	0.7	1.0	0.3	1.8	31.2	1.8	12.2	1500	1804
14×3×1.5	0.7	1.0	0.3	1.8	32.6	1.9	12.2	1500	1930
16×3×1.5	0.7	1.0	0.3	1.9	34.4	2.0	12.2	1500	2162
19×3×1.5	0.7	1.2	0.3	1.9	36.6	2.1	12.2	1500	2445
24×3×1.5	0.7	1.2	0.4	2.2	43.2	2.4	12.2	1500	3241
27×3×1.5	0.7	1.2	0.4	2.2	44.0	2.4	12.2	1500	3460
30×3×1.5	0.7	1.2	0.4	2.3	45.6	2.5	12.2	1500	3684
37×3×1.5	0.7	1.4	0.4	2.4	49.6	2.7	12.2	1500	4371
1×3×2.5	0.7	1.0	0.2	1.1	13.2	0.9	7.56	1500	288
2×3×2.5	0.7	1.0	0.3	1.4	19.6	1.2	7.56	1500	688
3×3×2.5	0.7	1.0	0.3	1.4	20.6	1.3	7.56	1500	783
4×3×2.5	0.7	1.0	0.3	1.5	22.4	1.4	7.56	1500	987
7×3×2.5	0.7	1.0	0.3	1.6	26.4	1.6	7.56	1500	1440
10×3×2.5	0.7	1.0	0.3	1.9	33.2	1.9	7.56	1500	2133
12×3×2.5	0.7	1.0	0.3	1.9	34.2	2.0	7.56	1500	2363
14×3×2.5	0.7	1.2	0.3	2.0	36.4	2.1	7.56	1500	2609
16×3×2.5	0.7	1.2	0.3	2.0	38.2	2.2	7.56	1500	2916
19×3×2.5	0.7	1.2	0.4	2.1	40.8	2.3	7.56	1500	3359
24×3×2.5	0.7	1.4	0.4	2.4	48.2	2.7	7.56	1500	4383
27×3×2.5	0.7	1.4	0.4	2.4	49.2	2.7	7.56	1500	4717
30×3×2.5	0.7	1.4	0.4	2.5	51.0	2.8	7.56	1500	5041
37×3×2.5	0.7	1.4	0.4	2.6	55.0	3.0	7.56	1500	5938

OFFSHORE CABLES FOR CONTROL, INSTRUMENTATION AND TELECOMMUNICATION 海工控制、仪表及通信电缆



电缆型号 CABLE DESIGNATION S13 150/250V BU(i)

参照标准 APPLICATION STANDARD

设计 Design Guide	NEK TS 606& IEC 60092-376
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
低烟 Low Smoke	IEC 61034
无卤 Halogen free	IEC 60754
低温弯曲 Cold bend (-40°C)	IEC 60092-350
低温冲击 Cold impact (-35°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	代号 Code	结构描述 Construction Detail
导体 Conductor		2类绞合镀锌铜或裸铜 Tinned or plain stranded copper, class 2
耐火层+绝缘 Fire resistance+Insulation	B	云母带+乙丙橡胶 Mica tape+Ethylene propylene rubber (EPR)
对绞 Twisting		两根/三根绝缘线芯需绞合形成对线组/三线组 Two/ Three Insulated cores shall be twisted together to form a Pair/Triad
外护套 Outer sheath	U	热固性无卤聚烯烃SHF2 Halogen-free thermoset compound
分屏蔽 Individually screen	(i)	铜塑复合带+镀锡引流线 CU/PS tape+Tinned copper drain wire
线芯标识 Core Identification	单元 No. of Units	标识方法 Identification
	对线组 Pair	黑、浅蓝 Black, Light Blue
	三线组 Triad	黑、浅蓝、棕 Black, Light Blue, Brown
	多单元 Multi-units	绝缘线芯印数字 Number printing on the insulation

No.×mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 C	Test voltage	Approx. Weight
	mm	mm		±mm			
1×2×0.75	0.6	1.0	9.6	0.8	24.8	1500	110
2×2×0.75	0.6	1.2	15.6	1.0	24.8	1500	331
3×2×0.75	0.6	1.2	16.4	1.1	24.8	1500	361
4×2×0.75	0.6	1.2	18.2	1.2	24.8	1500	486
7×2×0.75	0.6	1.4	22.2	1.4	24.8	1500	742
10×2×0.75	0.6	1.5	28.6	1.7	24.8	1500	1153
12×2×0.75	0.6	1.6	29.8	1.7	24.8	1500	1291
14×2×0.75	0.6	1.6	31.4	1.8	24.8	1500	1364
16×2×0.75	0.6	1.7	33.4	1.9	24.8	1500	1561
19×2×0.75	0.6	1.7	35.2	2.0	24.8	1500	1717
24×2×0.75	0.6	1.9	41.8	2.3	24.8	1500	2269
27×2×0.75	0.6	1.9	42.8	2.4	24.8	1500	2454
30×2×0.75	0.6	2.0	44.6	2.5	24.8	1500	2606
37×2×0.75	0.6	2.1	48.4	2.7	24.8	1500	3074
1×2×1.5	0.7	1.1	11.2	0.8	12.2	1500	156
2×2×1.5	0.7	1.3	18.2	1.2	12.2	1500	462
3×2×1.5	0.7	1.3	19.4	1.2	12.2	1500	520
4×2×1.5	0.7	1.4	21.6	1.3	12.2	1500	709
7×2×1.5	0.7	1.5	26.0	1.5	12.2	1500	1062
10×2×1.5	0.7	1.7	34.0	1.9	12.2	1500	1681
12×2×1.5	0.7	1.7	35.2	2.0	12.2	1500	1865
14×2×1.5	0.7	1.8	37.2	2.1	12.2	1500	1988
16×2×1.5	0.7	1.9	39.6	2.2	12.2	1500	2283
19×2×1.5	0.7	1.9	41.8	2.3	12.2	1500	2524
24×2×1.5	0.7	2.2	50.0	2.7	12.2	1500	3365
27×2×1.5	0.7	2.2	51.0	2.8	12.2	1500	3616
30×2×1.5	0.7	2.3	53.2	2.9	12.2	1500	3855
37×2×1.5	0.7	2.4	57.8	3.1	12.2	1500	4570
1×2×2.5	0.7	1.1	12.0	0.8	7.56	1500	190
2×2×2.5	0.7	1.3	19.6	1.2	7.56	1500	559
3×2×2.5	0.7	1.4	21.0	1.3	7.56	1500	643
4×2×2.5	0.7	1.4	23.2	1.4	7.56	1500	863
7×2×2.5	0.7	1.6	28.4	1.7	7.56	1500	1335
10×2×2.5	0.7	1.8	37.0	2.1	7.56	1500	2090
12×2×2.5	0.7	1.9	38.6	2.2	7.56	1500	2361
14×2×2.5	0.7	1.9	40.6	2.3	7.56	1500	2515
16×2×2.5	0.7	2.0	43.2	2.4	7.56	1500	2875
19×2×2.5	0.7	2.1	45.8	2.5	7.56	1500	3229
24×2×2.5	0.7	2.3	54.4	3.0	7.56	1500	4236
27×2×2.5	0.7	2.4	55.8	3.0	7.56	1500	4599
30×2×2.5	0.7	2.4	58.0	3.1	7.56	1500	4879
37×2×2.5	0.7	2.6	63.2	3.4	7.56	1500	5834

No.×mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 C	Test voltage	Approx. Weight
	mm	mm		±mm			
1×3×0.75	0.6	1.0	10.2	0.8	24.8	1500	133
2×3×0.75	0.6	1.2	17.2	1.1	24.8	1500	400
3×3×0.75	0.6	1.3	18.4	1.2	24.8	1500	456
4×3×0.75	0.6	1.3	20.4	1.3	24.8	1500	613
7×3×0.75	0.6	1.4	24.6	1.5	24.8	1500	923
10×3×0.75	0.6	1.6	32.0	1.8	24.8	1500	1444
12×3×0.75	0.6	1.7	33.4	1.9	24.8	1500	1635
14×3×0.75	0.6	1.7	35.2	2.0	24.8	1500	1744
16×3×0.75	0.6	1.8	37.4	2.1	24.8	1500	1993
19×3×0.75	0.6	1.9	39.8	2.2	24.8	1500	2243
24×3×0.75	0.6	2.1	47.2	2.6	24.8	1500	2943
27×3×0.75	0.6	2.1	48.2	2.7	24.8	1500	3167
30×3×0.75	0.6	2.2	50.2	2.8	24.8	1500	3377
37×3×0.75	0.6	2.3	54.6	3.0	24.8	1500	4014
1×3×1.5	0.7	1.1	11.8	0.8	12.2	1500	187
2×3×1.5	0.7	1.3	20.2	1.3	12.2	1500	570
3×3×1.5	0.7	1.4	21.6	1.3	12.2	1500	656
4×3×1.5	0.7	1.4	24.0	1.4	12.2	1500	885
7×3×1.5	0.7	1.6	29.2	1.7	12.2	1500	1364
10×3×1.5	0.7	1.8	38.0	2.1	12.2	1500	2123
12×3×1.5	0.7	1.9	39.6	2.2	12.2	1500	2395
14×3×1.5	0.7	1.9	41.8	2.3	12.2	1500	2574
16×3×1.5	0.7	2.0	44.4	2.5	12.2	1500	2930
19×3×1.5	0.7	2.1	47.2	2.6	12.2	1500	3314
24×3×1.5	0.7	2.4	56.2	3.1	12.2	1500	4353
27×3×1.5	0.7	2.4	57.4	3.1	12.2	1500	4714
30×3×1.5	0.7	2.5	59.8	3.2	12.2	1500	5032
37×3×1.5	0.7	2.6	65.0	3.5	12.2	1500	5989
1×3×2.5	0.7	1.1	12.8	0.9	7.56	1500	235
2×3×2.5	0.7	1.4	22.0	1.3	7.56	1500	706
3×3×2.5	0.7	1.4	23.6	1.4	7.56	1500	824
4×3×2.5	0.7	1.5	26.2	1.6	7.56	1500	1119
7×3×2.5	0.7	1.7	32.0	1.8	7.56	1500	1747
10×3×2.5	0.7	2.0	41.8	2.3	7.56	1500	2715
12×3×2.5	0.7	2.0	43.4	2.4	7.56	1500	3058
14×3×2.5	0.7	2.1	45.8	2.5	7.56	1500	3302
16×3×2.5	0.7	2.2	48.8	2.7	7.56	1500	3785
19×3×2.5	0.7	2.3	51.8	2.8	7.56	1500	4276
24×3×2.5	0.7	2.6	61.6	3.3	7.56	1500	5595
27×3×2.5	0.7	2.6	63.0	3.4	7.56	1500	6077
30×3×2.5	0.7	2.7	65.8	3.5	7.56	1500	6519
37×3×2.5	0.7	2.8	71.4	3.8	7.56	1500	7773

海工高压电缆

海工低电压、控制及照明电缆

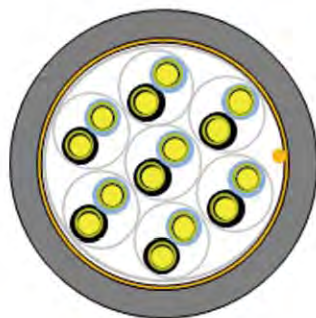
海工控制、仪表及通信电缆

海工接地线

技术资料



OFFSHORE CABLES FOR CONTROL, INSTRUMENTATION AND TELECOMMUNICATION
海工控制、仪表及通信电缆



电缆型号 CABLE DESIGNATION S14

150/250V BU(c)

参照标准 APPLICATION STANDARD

设计 Design Guide	NEK TS 606& IEC 60092-376
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
低烟 Low Smoke	IEC 61034
无卤 Halogen free	IEC 60754
低温弯曲 Cold bend (-40°C)	IEC 60092-350
低温冲击 Cold impact (-35°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	代号 Code	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
耐火层+绝缘 Fire resistance+Insulation	B	云母带+乙丙橡胶 Mica tape+Ethylene propylene rubber (EPR)
对绞 Twisting		两根/三根绝缘线芯需绞合形成对线组/三线组 Two/ Three insulated cores shall be twisted together to form a Pair/Triad
外护套 Outer sheath	U	热固性无卤聚烯烃 SHF2 Halogen-free thermoset compound
总屏蔽 Collectively screen	(c)	铜塑复合带+镀锡引流线 CU/PS tape+Tinned copper drain wire
线芯标识 Core Identification		单元 No. of Units
		标识方法 Identification
	对线组 Pair	黑、浅蓝 Black, Light Blue
	三线组 Triad	黑、浅蓝、棕 Black, Light Blue, Brown
	多单元 Multi-units	绝缘线芯印数字 Number printing on the insulation

No.×mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20 °C	Test voltage	Approx. Weight
	mm	mm	mm	±mm	Ω/km	V/5min	kg/km
1×2×0.75	0.6	1.0	9.6	0.8	24.8	1500	110
2×2×0.75	0.6	1.1	14.2	1.0	24.8	1500	297
3×2×0.75	0.6	1.2	15.2	1.0	24.8	1500	326
4×2×0.75	0.6	1.2	16.8	1.1	24.8	1500	435
7×2×0.75	0.6	1.3	20.2	1.3	24.8	1500	635
10×2×0.75	0.6	1.5	26.2	1.6	24.8	1500	1007
12×2×0.75	0.6	1.5	27.0	1.6	24.8	1500	1093
14×2×0.75	0.6	1.6	28.6	1.7	24.8	1500	1156
16×2×0.75	0.6	1.6	30.2	1.8	24.8	1500	1304
19×2×0.75	0.6	1.7	32.2	1.9	24.8	1500	1454
24×2×0.75	0.6	1.8	38.0	2.1	24.8	1500	1905
27×2×0.75	0.6	1.8	38.8	2.2	24.8	1500	2037
30×2×0.75	0.6	1.9	40.4	2.3	24.8	1500	2146
37×2×0.75	0.6	2.0	43.8	2.4	24.8	1500	2511
1×2×1.5	0.7	1.1	11.2	0.8	12.2	1500	156
2×2×1.5	0.7	1.2	16.6	1.1	12.2	1500	423
3×2×1.5	0.7	1.3	18.0	1.1	12.2	1500	474
4×2×1.5	0.7	1.3	19.8	1.2	12.2	1500	629
7×2×1.5	0.7	1.4	23.8	1.4	12.2	1500	922
10×2×1.5	0.7	1.6	31.0	1.8	12.2	1500	1467
12×2×1.5	0.7	1.7	32.2	1.9	12.2	1500	1621
14×2×1.5	0.7	1.7	34.0	1.9	12.2	1500	1708
16×2×1.5	0.7	1.8	36.0	2.0	12.2	1500	1940
19×2×1.5	0.7	1.8	38.0	2.1	12.2	1500	2134
24×2×1.5	0.7	2.1	45.4	2.5	12.2	1500	2857
27×2×1.5	0.7	2.1	46.4	2.6	12.2	1500	3053
30×2×1.5	0.7	2.1	48.2	2.7	12.2	1500	3207
37×2×1.5	0.7	2.3	52.6	2.9	12.2	1500	3809
1×2×2.5	0.7	1.1	12.0	0.8	7.56	1500	190
2×2×2.5	0.7	1.3	18.2	1.2	7.56	1500	526
3×2×2.5	0.7	1.3	19.4	1.2	7.56	1500	586
4×2×2.5	0.7	1.4	21.6	1.3	7.56	1500	793
7×2×2.5	0.7	1.5	26.0	1.5	7.56	1500	1184
10×2×2.5	0.7	1.7	33.8	1.9	7.56	1500	1859
12×2×2.5	0.7	1.8	35.2	2.0	7.56	1500	2075
14×2×2.5	0.7	1.8	37.0	2.1	7.56	1500	2190
16×2×2.5	0.7	1.9	39.4	2.2	7.56	1500	2501
19×2×2.5	0.7	2.0	41.8	2.3	7.56	1500	2790
24×2×2.5	0.7	2.2	49.6	2.7	7.56	1500	3669
27×2×2.5	0.7	2.3	50.8	2.8	7.56	1500	3964
30×2×2.5	0.7	2.3	52.8	2.9	7.56	1500	4182
37×2×2.5	0.7	2.5	57.6	3.1	7.56	1500	4978

海工高压电缆

海工低电压、控制及照明电缆

海工控制、仪表及通信电缆

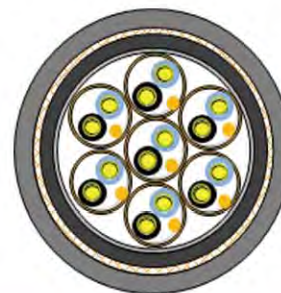
海工接地线

技术资料



No.×mm ²	Thickness of insulation	Thickness of sheath	Diameter	Tolerance	Conductor resistance at 20°C	Test voltage	Approx. Weight
	mm	mm	mm	±mm	Ω/km	V/5min	kg/km
1×3×0.75	0.6	1.0	10.2	0.8	24.8	1500	133
2×3×0.75	0.6	1.2	16.0	1.0	24.8	1500	377
3×3×0.75	0.6	1.2	17.0	1.1	24.8	1500	416
4×3×0.75	0.6	1.3	18.8	1.2	24.8	1500	554
7×3×0.75	0.6	1.4	22.8	1.4	24.8	1500	831
10×3×0.75	0.6	1.6	29.4	1.7	24.8	1500	1292
12×3×0.75	0.6	1.6	30.4	1.8	24.8	1500	1426
14×3×0.75	0.6	1.7	32.2	1.9	24.8	1500	1525
16×3×0.75	0.6	1.7	34.0	1.9	24.8	1500	1721
19×3×0.75	0.6	1.8	36.2	2.1	24.8	1500	1924
24×3×0.75	0.6	2.0	43.0	2.4	24.8	1500	2544
27×3×0.75	0.6	2.0	44.0	2.4	24.8	1500	2736
30×3×0.75	0.6	2.1	45.8	2.5	24.8	1500	2903
37×3×0.75	0.6	2.2	49.8	2.7	24.8	1500	3432
1×3×1.5	0.7	1.1	11.8	0.8	12.2	1500	187
2×3×1.5	0.7	1.3	18.8	1.2	12.2	1500	539
3×3×1.5	0.7	1.3	20.0	1.2	12.2	1500	603
4×3×1.5	0.7	1.4	22.2	1.4	12.2	1500	813
7×3×1.5	0.7	1.5	26.8	1.6	12.2	1500	1216
10×3×1.5	0.7	1.8	35.0	2.0	12.2	1500	1917
12×3×1.5	0.7	1.8	36.2	2.1	12.2	1500	2127
14×3×1.5	0.7	1.9	38.4	2.2	12.2	1500	2281
16×3×1.5	0.7	1.9	40.6	2.3	12.2	1500	2580
19×3×1.5	0.7	2.0	43.2	2.4	12.2	1500	2902
24×3×1.5	0.7	2.2	51.2	2.8	12.2	1500	3805
27×3×1.5	0.7	2.3	52.6	2.9	12.2	1500	4135
30×3×1.5	0.7	2.3	54.6	3.0	12.2	1500	4364
37×3×1.5	0.7	2.5	59.4	3.2	12.2	1500	5189
1×3×2.5	0.7	1.1	12.8	0.9	7.56	1500	235
2×3×2.5	0.7	1.3	20.4	1.3	7.56	1500	667
3×3×2.5	0.7	1.4	21.8	1.3	7.56	1500	764
4×3×2.5	0.7	1.5	24.2	1.5	7.56	1500	1032
7×3×2.5	0.7	1.6	29.4	1.7	7.56	1500	1580
10×3×2.5	0.7	1.9	38.4	2.2	7.56	1500	2461
12×3×2.5	0.7	1.9	39.8	2.2	7.56	1500	2757
14×3×2.5	0.7	2.0	42.0	2.3	7.56	1500	2959
16×3×2.5	0.7	2.1	44.8	2.5	7.56	1500	3390
19×3×2.5	0.7	2.2	47.4	2.6	7.56	1500	3798
24×3×2.5	0.7	2.4	56.2	3.1	7.56	1500	4963
27×3×2.5	0.7	2.5	57.8	3.1	7.56	1500	5423
30×3×2.5	0.7	2.5	60.0	3.2	7.56	1500	5747
37×3×2.5	0.7	2.7	65.4	3.5	7.56	1500	6870

OFFSHORE CABLES FOR CONTROL, INSTRUMENTATION AND TELECOMMUNICATION
海工控制、仪表及通信电缆



电缆型号 CABLE DESIGNATION S3, S3/S7
150/250V BFOU(i)

参照标准 APPLICATION STANDARD

设计 Design Guide	NEK TS 606& IEC 60092-376
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
低烟 Low Smoke	IEC 61034
无卤 Halogen free	IEC 60754
耐泥浆 Mud resistant	NEK TS 606 (Mud type only)
低温弯曲 Cold bend (-40°C)	IEC 60092-350
低温冲击 Cold impact (-35°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	代号 Code	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
耐火层+绝缘 Fire resistance+Insulation	B	云母带+乙丙橡胶 Mica tape+Ethylene propylene rubber (EPR)
对绞 Twisting		两根/三根绝缘线芯需绞合形成对线组/三线组 Two/ Three Insulated cores shall be twisted together to form a Pair/Triad
内护套 Inner covering	F	无卤聚合物 Halogen-free compound
编织/铠装 Braid/Armor	O	镀锡铜丝 Tinned copper wire
外护套 Outer sheath	U	热固性无卤聚烯烃SHF2 Halogen-free thermoset compound 热固性耐泥浆无卤聚烯烃SHF Mud Halogen-free mud resistant thermoset compound
分屏蔽 Individually	(i)	铜塑复合带+镀锡引流线 CU/PS tape+Tinned copper drain wire
线芯标识 Core Identification	单元 No. of Units	标识方法 Identification
	对线组 Pair	黑、浅蓝 Black, Light Blue
	三线组 Triad	黑、浅蓝、棕 Black, Light Blue, Brown
	多单元 Multi-units	绝缘线芯印数字 Number printing on the insulation



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	V/5min	kg/km
1×2×0.75	0.6	1.0	0.2	1.1	12.6	0.9	24.8	1500	209
2×2×0.75	0.6	1.0	0.3	1.3	19.0	1.2	24.8	1500	523
3×2×0.75	0.6	1.0	0.3	1.3	19.8	1.2	24.8	1500	563
4×2×0.75	0.6	1.0	0.3	1.3	21.6	1.3	24.8	1500	709
7×2×0.75	0.6	1.0	0.3	1.4	25.4	1.5	24.8	1500	998
10×2×0.75	0.6	1.0	0.3	1.6	32.0	1.8	24.8	1500	1499
12×2×0.75	0.6	1.0	0.3	1.7	33.2	1.9	24.8	1500	1651
14×2×0.75	0.6	1.0	0.3	1.7	34.8	2.0	24.8	1500	1743
16×2×0.75	0.6	1.0	0.3	1.8	36.8	2.1	24.8	1500	1963
19×2×0.75	0.6	1.0	0.3	1.8	38.6	2.2	24.8	1500	2141
24×2×0.75	0.6	1.2	0.3	2.0	45.6	2.5	24.8	1500	2821
27×2×0.75	0.6	1.2	0.3	2.0	46.6	2.6	24.8	1500	3020
30×2×0.75	0.6	1.2	0.4	2.1	48.8	2.7	24.8	1500	3278
37×2×0.75	0.6	1.2	0.4	2.2	52.6	2.9	24.8	1500	3801
1×2×1.5	0.7	1.0	0.2	1.1	14.0	0.9	12.2	1500	264
2×2×1.5	0.7	1.0	0.3	1.3	21.4	1.3	12.2	1500	675
3×2×1.5	0.7	1.0	0.3	1.4	22.8	1.4	12.2	1500	760
4×2×1.5	0.7	1.0	0.3	1.4	24.8	1.5	12.2	1500	960
7×2×1.5	0.7	1.0	0.3	1.6	29.4	1.7	12.2	1500	1381
10×2×1.5	0.7	1.0	0.3	1.8	37.4	2.1	12.2	1500	2095
12×2×1.5	0.7	1.0	0.3	1.8	38.6	2.2	12.2	1500	2293
14×2×1.5	0.7	1.2	0.3	1.9	41.0	2.3	12.2	1500	2485
16×2×1.5	0.7	1.2	0.3	2.0	43.4	2.4	12.2	1500	2812
19×2×1.5	0.7	1.2	0.3	2.0	45.6	2.5	12.2	1500	3081
24×2×1.5	0.7	1.2	0.4	2.3	54.2	3.0	12.2	1500	4124
27×2×1.5	0.7	1.2	0.4	2.3	55.2	3.0	12.2	1500	4390
30×2×1.5	0.7	1.4	0.4	2.4	57.8	3.1	12.2	1500	4726
37×2×1.5	0.7	1.4	0.4	2.5	62.4	3.4	12.2	1500	5516
1×2×2.5	0.7	1.0	0.2	1.2	15.0	1.0	7.56	1500	313
2×2×2.5	0.7	1.0	0.3	1.4	23.0	1.4	7.56	1500	803
3×2×2.5	0.7	1.0	0.3	1.4	24.2	1.5	7.56	1500	891
4×2×2.5	0.7	1.0	0.3	1.5	26.6	1.6	7.56	1500	1151
7×2×2.5	0.7	1.0	0.3	1.7	31.8	1.8	7.56	1500	1686
10×2×2.5	0.7	1.2	0.3	1.9	40.8	2.3	7.56	1500	2589
12×2×2.5	0.7	1.2	0.3	2.0	42.4	2.4	7.56	1500	2881
14×2×2.5	0.7	1.2	0.3	2.0	44.4	2.5	7.56	1500	3063
16×2×2.5	0.7	1.2	0.4	2.1	47.4	2.6	7.56	1500	3540
19×2×2.5	0.7	1.2	0.4	2.2	50.0	2.7	7.56	1500	3934
24×2×2.5	0.7	1.4	0.4	2.4	59.0	3.2	7.56	1500	5137
27×2×2.5	0.7	1.4	0.4	2.5	60.4	3.3	7.56	1500	5522
30×2×2.5	0.7	1.4	0.4	2.6	62.8	3.4	7.56	1500	5877
37×2×2.5	0.7	1.4	0.4	2.7	67.8	3.6	7.56	1500	6883

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	V/5min	kg/km
1×3×0.75	0.6	1.0	0.2	1.1	13.2	0.9	24.8	1500	237
2×3×0.75	0.6	1.0	0.3	1.3	20.6	1.3	24.8	1500	612
3×3×0.75	0.6	1.0	0.3	1.3	21.6	1.3	24.8	1500	671
4×3×0.75	0.6	1.0	0.3	1.4	23.8	1.4	24.8	1500	862
7×3×0.75	0.6	1.0	0.3	1.5	28.0	1.6	24.8	1500	1223
10×3×0.75	0.6	1.0	0.3	1.7	35.4	2.0	24.8	1500	1832
12×3×0.75	0.6	1.0	0.3	1.8	36.8	2.1	24.8	1500	2039
14×3×0.75	0.6	1.0	0.3	1.8	38.6	2.2	24.8	1500	2169
16×3×0.75	0.6	1.0	0.3	1.9	40.8	2.3	24.8	1500	2444
19×3×0.75	0.6	1.2	0.3	1.9	43.4	2.4	24.8	1500	2746
24×3×0.75	0.6	1.2	0.4	2.2	51.4	2.8	24.8	1500	3655
27×3×0.75	0.6	1.2	0.4	2.2	52.4	2.9	24.8	1500	3894
30×3×0.75	0.6	1.2	0.4	2.3	54.4	3.0	24.8	1500	4133
37×3×0.75	0.6	1.4	0.4	2.4	59.2	3.2	24.8	1500	4902
1×3×1.5	0.7	1.0	0.2	1.1	14.6	1.0	12.2	1500	300
2×3×1.5	0.7	1.0	0.3	1.4	23.6	1.4	12.2	1500	820
3×3×1.5	0.7	1.0	0.3	1.5	25.0	1.5	12.2	1500	923
4×3×1.5	0.7	1.0	0.3	1.5	27.4	1.6	12.2	1500	1180
7×3×1.5	0.7	1.0	0.3	1.7	32.6	1.9	12.2	1500	1721
10×3×1.5	0.7	1.2	0.3	1.9	41.8	2.3	12.2	1500	2633
12×3×1.5	0.7	1.2	0.3	2.0	43.4	2.4	12.2	1500	2924
14×3×1.5	0.7	1.2	0.3	2.0	45.6	2.5	12.2	1500	3134
16×3×1.5	0.7	1.2	0.4	2.1	48.6	2.7	12.2	1500	3608
19×3×1.5	0.7	1.2	0.4	2.2	51.4	2.8	12.2	1500	4034
24×3×1.5	0.7	1.4	0.4	2.5	60.8	3.3	12.2	1500	5276
27×3×1.5	0.7	1.4	0.4	2.5	62.0	3.3	12.2	1500	5658
30×3×1.5	0.7	1.4	0.4	2.6	64.4	3.5	12.2	1500	6017
37×3×1.5	0.7	1.6	0.4	2.7	70.0	3.7	12.2	1500	7138
1×3×2.5	0.7	1.0	0.2	1.2	15.8	1.0	7.56	1500	367
2×3×2.5	0.7	1.0	0.3	1.5	25.4	1.5	7.56	1500	980
3×3×2.5	0.7	1.0	0.3	1.5	27.0	1.6	7.56	1500	1117
4×3×2.5	0.7	1.0	0.3	1.6	29.6	1.7	7.56	1500	1444
7×3×2.5	0.7	1.0	0.3	1.8	35.4	2.0	7.56	1500	2141
10×3×2.5	0.7	1.2	0.3	2.1	45.6	2.5	7.56	1500	3278
12×3×2.5	0.7	1.2	0.4	2.1	47.6	2.6	7.56	1500	3727
14×3×2.5	0.7	1.2	0.4	2.2	50.0	2.7	7.56	1500	4008
16×3×2.5	0.7	1.2	0.4	2.3	53.0	2.9	7.56	1500	4537
19×3×2.5	0.7	1.4	0.4	2.4	56.4	3.1	7.56	1500	5135
24×3×2.5	0.7	1.4	0.4	2.7	66.2	3.6	7.56	1500	6620
27×3×2.5	0.7	1.4	0.4	2.7	67.6	3.6	7.56	1500	7124
30×3×2.5	0.7	1.6	0.4	2.8	70.8	3.8	7.56	1500	7690
37×3×2.5	0.7	1.6	0.4	3.0	76.6	4.1	7.56	1500	9085

海工高压电缆

海工低电压、控制及照明电缆

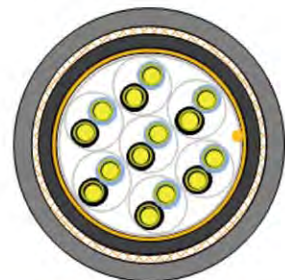
海工控制、仪表及通信电缆

海工接地线

技术资料



OFFSHORE CABLES FOR CONTROL, INSTRUMENTATION AND TELECOMMUNICATION 海工控制、仪表及通信电缆



电缆型号 CABLE DESIGNATION S4, S4/S8 150/250V BFOU(c)

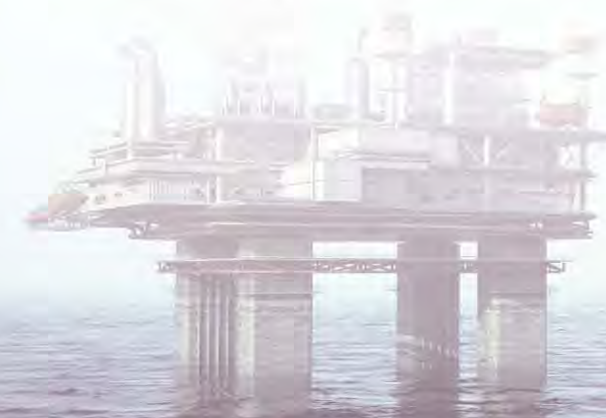
参照标准 APPLICATION STANDARD

设计 Design Guide	NEK TS 606 & IEC 60092-376
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
低烟 Low Smoke	IEC 61034
无卤 Halogen free	IEC 60754
耐泥浆 Mud resistant	NEK TS 606 (Mud type only)
低温弯曲 Cold bend (-40°C)	IEC 60092-350
低温冲击 Cold impact (-35°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	代号 Code	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
耐火层+绝缘 Fire resistance+Insulation	B	云母带+乙丙橡胶 Mica tape+Ethylene propylene rubber (EPR)
对绞 Twisting		两根/三根绝缘线芯需绞合形成对线组/三线组 Two/ Three Insulated cores shall be twisted together to form a Pair/Triad
内护套 Inner covering	F	无卤聚合物 Halogen-free compound
编织/铠装 Braid/Armor	O	镀锡铜丝 Tinned copper wire
外护套 Outer sheath	U	热固性无卤聚烯烃SHF2 Halogen-free thermoset compound 热固性耐泥浆无卤聚烯烃SHF Mud Halogen-free mud resistant thermoset compound
总屏蔽 Collectively screen	(c)	铜塑复合带+镀锡引流线 CU/PS tape+Tinned copper drain wire
线芯标识 Core Identification	单元 No. of Units	标识方法 Identification
	对线组 Pair	黑、浅蓝 Black, Light Blue
	三线组 Triad	黑、浅蓝、棕 Black, Light Blue, Brown
	多单元 Mult-units	绝缘线芯印数字 Number printing on the insulation

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	V/5min	kg/km
1×2×0.75	0.6	1.0	0.2	1.1	12.6	0.9	24.8	1500	209
2×2×0.75	0.6	1.0	0.2	1.2	17.2	1.1	24.8	1500	446
3×2×0.75	0.6	1.0	0.2	1.2	18.0	1.1	24.8	1500	476
4×2×0.75	0.6	1.0	0.3	1.3	20.2	1.3	24.8	1500	642
7×2×0.75	0.6	1.0	0.3	1.4	23.6	1.4	24.8	1500	884
10×2×0.75	0.6	1.0	0.3	1.6	29.6	1.7	24.8	1500	1327
12×2×0.75	0.6	1.0	0.3	1.6	30.4	1.8	24.8	1500	1423
14×2×0.75	0.6	1.0	0.3	1.6	31.8	1.8	24.8	1500	1487
16×2×0.75	0.6	1.0	0.3	1.7	33.6	1.9	24.8	1500	1671
19×2×0.75	0.6	1.0	0.3	1.7	35.4	2.0	24.8	1500	1826
24×2×0.75	0.6	1.2	0.3	1.9	41.8	2.3	24.8	1500	2412
27×2×0.75	0.6	1.2	0.3	1.9	42.6	2.4	24.8	1500	2554
30×2×0.75	0.6	1.2	0.3	2.0	44.2	2.5	24.8	1500	2685
37×2×0.75	0.6	1.2	0.4	2.1	48.0	2.6	24.8	1500	3177
1×2×1.5	0.7	1.0	0.2	1.1	14.0	0.9	12.2	1500	264
2×2×1.5	0.7	1.0	0.3	1.3	20.0	1.2	12.2	1500	630
3×2×1.5	0.7	1.0	0.3	1.3	21.2	1.3	12.2	1500	685
4×2×1.5	0.7	1.0	0.3	1.4	23.2	1.4	12.2	1500	874
7×2×1.5	0.7	1.0	0.3	1.5	27.2	1.6	12.2	1500	1215
10×2×1.5	0.7	1.0	0.3	1.7	34.4	2.0	12.2	1500	1847
12×2×1.5	0.7	1.0	0.3	1.8	35.6	2.0	12.2	1500	2016
14×2×1.5	0.7	1.0	0.3	1.8	37.4	2.1	12.2	1500	2124
16×2×1.5	0.7	1.0	0.3	1.9	39.4	2.2	12.2	1500	2381
19×2×1.5	0.7	1.2	0.3	1.9	41.8	2.3	12.2	1500	2645
24×2×1.5	0.7	1.2	0.4	2.2	49.6	2.7	12.2	1500	3554
27×2×1.5	0.7	1.2	0.4	2.2	50.6	2.8	12.2	1500	3764
30×2×1.5	0.7	1.2	0.4	2.3	52.6	2.9	12.2	1500	3975
37×2×1.5	0.7	1.4	0.4	2.4	57.2	3.1	12.2	1500	4677
1×2×2.5	0.7	1.0	0.2	1.2	15.0	1.0	7.56	1500	313
2×2×2.5	0.7	1.0	0.3	1.4	21.6	1.3	7.56	1500	754
3×2×2.5	0.7	1.0	0.3	1.4	22.8	1.4	7.56	1500	829
4×2×2.5	0.7	1.0	0.3	1.5	25.0	1.5	7.56	1500	1062
7×2×2.5	0.7	1.0	0.3	1.6	29.4	1.7	7.56	1500	1507
10×2×2.5	0.7	1.0	0.3	1.8	37.2	2.1	7.56	1500	2277
12×2×2.5	0.7	1.0	0.3	1.9	38.6	2.2	7.56	1500	2510
14×2×2.5	0.7	1.2	0.3	1.9	40.8	2.3	7.56	1500	2692
16×2×2.5	0.7	1.2	0.3	2.0	43.2	2.4	7.56	1500	3035
19×2×2.5	0.7	1.2	0.4	2.1	46.0	2.5	7.56	1500	3438
24×2×2.5	0.7	1.4	0.4	2.3	54.2	3.0	7.56	1500	4497
27×2×2.5	0.7	1.4	0.4	2.4	55.4	3.0	7.56	1500	4812
30×2×2.5	0.7	1.4	0.4	2.4	57.4	3.1	7.56	1500	5063
37×2×2.5	0.7	1.4	0.4	2.6	62.2	3.4	7.56	1500	5941



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	V/5min	kg/km
1×3×0.75	0.6	1.0	0.2	1.1	13.2	0.9	24.8	1500	237
2×3×0.75	0.6	1.0	0.3	1.3	19.4	1.2	24.8	1500	575
3×3×0.75	0.6	1.0	0.3	1.3	20.4	1.3	24.8	1500	627
4×3×0.75	0.6	1.0	0.3	1.4	22.2	1.4	24.8	1500	786
7×3×0.75	0.6	1.0	0.3	1.5	26.2	1.6	24.8	1500	1111
10×3×0.75	0.6	1.0	0.3	1.7	32.8	1.9	24.8	1500	1650
12×3×0.75	0.6	1.0	0.3	1.7	33.8	1.9	24.8	1500	1797
14×3×0.75	0.6	1.0	0.3	1.8	35.6	2.0	24.8	1500	1917
16×3×0.75	0.6	1.0	0.3	1.8	37.4	2.1	24.8	1500	2136
19×3×0.75	0.6	1.0	0.3	1.9	39.6	2.2	24.8	1500	2364
24×3×0.75	0.6	1.2	0.4	2.1	47.2	2.6	24.8	1500	3199
27×3×0.75	0.6	1.2	0.4	2.1	48.2	2.7	24.8	1500	3407
30×3×0.75	0.6	1.2	0.4	2.2	50.0	2.7	24.8	1500	3600
37×3×0.75	0.6	1.2	0.4	2.3	54.0	2.9	24.8	1500	4189
1×3×1.5	0.7	1.0	0.2	1.1	14.6	1.0	12.2	1500	300
2×3×1.5	0.7	1.0	0.3	1.4	22.2	1.4	12.2	1500	773
3×3×1.5	0.7	1.0	0.3	1.4	23.4	1.4	12.2	1500	852
4×3×1.5	0.7	1.0	0.3	1.5	25.6	1.5	12.2	1500	1089
7×3×1.5	0.7	1.0	0.3	1.6	30.2	1.8	12.2	1500	1546
10×3×1.5	0.7	1.0	0.3	1.9	38.4	2.2	12.2	1500	2347
12×3×1.5	0.7	1.0	0.3	1.9	39.6	2.2	12.2	1500	2571
14×3×1.5	0.7	1.2	0.3	2.0	42.2	2.4	12.2	1500	2798
16×3×1.5	0.7	1.2	0.3	2.0	44.4	2.5	12.2	1500	3127
19×3×1.5	0.7	1.2	0.4	2.1	47.4	2.6	12.2	1500	3567
24×3×1.5	0.7	1.4	0.4	2.4	56.0	3.0	12.2	1500	4684
27×3×1.5	0.7	1.4	0.4	2.4	57.2	3.1	12.2	1500	5007
30×3×1.5	0.7	1.4	0.4	2.5	59.4	3.2	12.2	1500	5300
37×3×1.5	0.7	1.4	0.4	2.6	64.0	3.4	12.2	1500	6175
1×3×2.5	0.7	1.0	0.2	1.2	15.8	1.0	7.56	1500	367
2×3×2.5	0.7	1.0	0.3	1.4	23.8	1.4	7.56	1500	922
3×3×2.5	0.7	1.0	0.3	1.5	25.2	1.5	7.56	1500	1036
4×3×2.5	0.7	1.0	0.3	1.5	27.4	1.6	7.56	1500	1319
7×3×2.5	0.7	1.0	0.3	1.7	32.8	1.9	7.56	1500	1945
10×3×2.5	0.7	1.2	0.3	2.0	42.2	2.4	7.56	1500	2983
12×3×2.5	0.7	1.2	0.3	2.0	43.6	2.4	7.56	1500	3297
14×3×2.5	0.7	1.2	0.4	2.1	46.2	2.6	7.56	1500	3612
16×3×2.5	0.7	1.2	0.4	2.2	49.0	2.7	7.56	1500	4085
19×3×2.5	0.7	1.2	0.4	2.3	51.6	2.8	7.56	1500	4533
24×3×2.5	0.7	1.4	0.4	2.6	61.0	3.3	7.56	1500	5939
27×3×2.5	0.7	1.4	0.4	2.6	62.4	3.4	7.56	1500	6391
30×3×2.5	0.7	1.4	0.4	2.7	64.8	3.5	7.56	1500	6788
37×3×2.5	0.7	1.6	0.4	2.8	70.4	3.8	7.56	1500	8043

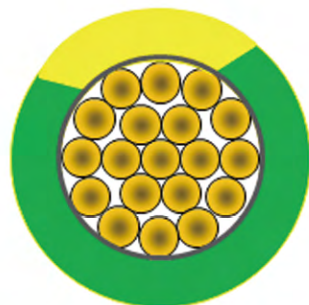


EARTHING & BONDING WIRE

海工接地线



EARTHING & BONDING WIRE
海工接地线



电缆型号 CABLE DESIGNATION P15

0.6/1kV UX

参照标准 APPLICATION STANDARD

设计 Design Guide	NEK TS 606& IEC 60092-353
绝缘材料 Insulation Material	IEC 60092-360
阻燃 Flame Retardant	IEC 60332-1&-3 Category A
低烟 Low Smoke	IEC 61034
无卤 Halogen free	IEC 60754
最大额定导体运行温度 Max.Rated Conductor Temperature:90°C	

结构 CONSTRUCTION

类别 Classification	代号 Code	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		热固性无卤聚烯烃SHF2 Halogen-free thermoset compound
绝缘颜色 Insulation Colour		黄绿色 Y/G (Yellow/Green)

No.×mm ²	Thickness of insulation	Diameter	Tolerance	Conductor resistance at 20 °C	Test voltage	Approx. Weight
	mm					
1×1.5	2.0	5.6	0.4	12.2	3500	51
1×2.5	2.0	6.0	0.4	7.56	3500	64
1×4	2.0	6.6	0.4	4.70	3500	83
1×6	2.0	7.2	0.4	3.11	3500	107
1×10	2.0	8.2	0.4	1.84	3500	156
1×16	2.1	9.6	0.4	1.16	3500	223
1×25	2.4	11.4	0.4	0.734	3500	338
1×35	2.4	13.0	0.5	0.529	3500	449
1×50	2.7	15.2	0.7	0.391	3500	623
1×70	3.0	17.4	0.7	0.270	3500	861
1×95	3.0	19.2	0.8	0.195	3500	1072
1×120	3.1	21.0	0.8	0.154	3500	1335
1×150	3.4	23.4	0.9	0.126	3500	1659
1×185	3.7	25.6	1.1	0.100	3500	2008
1×240	4.0	29.2	1.2	0.0762	3500	2611
1×300	4.3	32.2	1.3	0.0607	3500	3201

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
℃	Kc	Kr	℃	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										
	C	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。

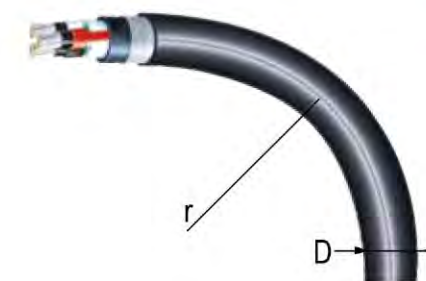
XLPE&EPR insulation is actually capable of withstanding short-term temperature up to 250°C.

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:



电压等级	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 D>25mm: 6D
	金属编织屏蔽或铠装 Metal Braid Screened or Armored	6D
	金属带屏蔽 Tape Screened	8D
3.6/6kV及以上 3.6/6kV Above	单芯 Single core	12D
	三芯 3-core	9D