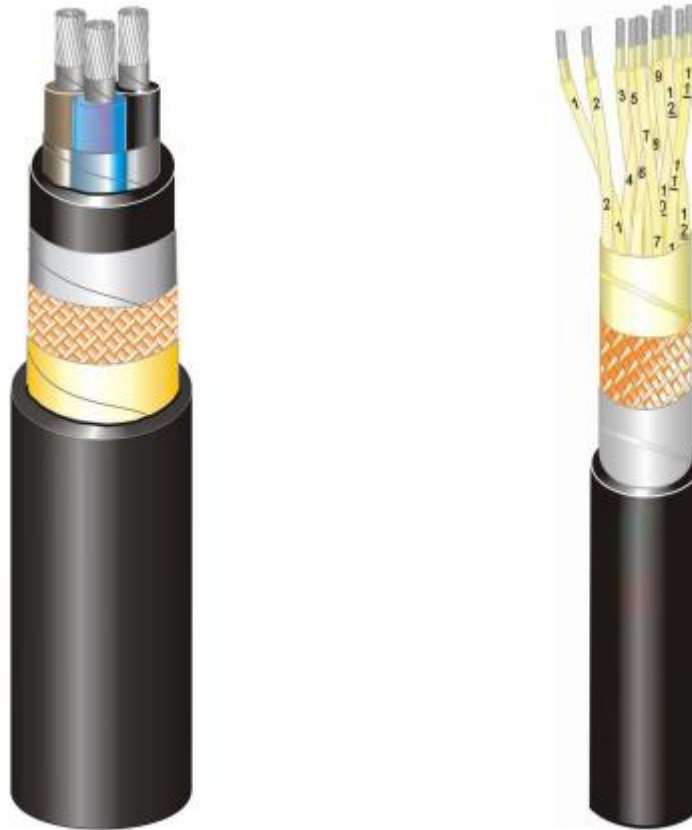




HI-SEA Shipboard Control Cable



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		150/250V	CKJ85/NC(no inner sheath) CKJ86/NC(no inner sheath) CKJP85/NC(no inner sheath) CKJP86/NC(no inner sheath)	13~16
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CKJPJ/SC Series,CKJPF/SC Series**150/250V**

交联聚乙烯绝缘低烟无卤船用控制电缆

XLPE insulated halogen-free low-smoke shipboard control cable

图例 Example:

**CKJPJ85/SC
19X2.5**

型号: **CKJPJ/SC**
 Type: **CKJPJ80/SC**
CKJPJ90/SC
CKJPJ85/SC
CKJPJ95/SC
CKJPF/SC
CKJPF80/SC
CKJPF90/SC
CKJPF86/SC
CKJPF96/SC

用途 Application

船用控制电缆可用于河海各种船舶及海上石油平台等水上建筑的电力照明和一般控制装置之用。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for control system of shipboard and off-shore building and it is also available to metallurgical industry, chemical works, power plant and mining factory.

执行标准 Standards applied

IEC 60092-376	– 设计	Design
IEC 60228 Class2	– 导体	Conductor
IEC 60092-351	– 绝缘	Insulation
IEC 60092-359	– 护套	Sheath
IEC 60332-3-22	– 阻燃	Flame Retardant
IEC 60754	– 无卤	Halogen Free
IEC 61034	– 低烟	Low Smoke

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CK	船用控制电缆 Shipboard control cable
导体 Conductor		绞合镀锡退火铜, IEC 60228 Class 2 Stranded tinned annealed copper (STC), IEC 60228 Class 2
绝缘 Insulation	J	交联聚乙烯 XLPE, IEC 60092-351
内护套 Inner sheath	PJ	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	PF	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
铠装 Armor	8	镀锡铜丝编织 Tinned copper wire braid (TCWB)
	9	镀锌钢丝编织 Galvanized steel wire braided (GSWB)
外护套 Outer sheath	0	无外护套 Without outer sheath
	5	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	6	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	SC	低烟无卤阻燃 LSHF Flame retardant, IEC60332-3-22(CAT.A)

CKJPJ/SC, CKJPF/SC

(CKJV/SA Series参照使用)

芯数x截面 No. of cores x sectional area	CKJPJ/SC, CKJPF/SC			CKJPJ80/SC, CKJPF80/SC CKJPJ90/SC, CKJPF90/SC				CKJPJ85/SC, CKJPF86/SC CKJPJ95/SC, CKJPF96/SC			
	外径		约重 Approx. weight kg/km	外径		约重		外径		约重	
	Over diam. mm			Over diam. mm		Approx. weight		Over diam. mm		Approx. weight	
	标称 Nom.	最大 Max.		标称 Nom.	最大 Max.	80系列 kg/km	90系列 kg/km	标称 Nom.	最大 Max.	85系列 kg/km	95系列 kg/km
No. x mm ²											
2 x 0.75	7.0	8.0	54	8.0	9.2	97	92	10.0	11.5	135	130
3 x 0.75	7.4	8.4	67	8.4	9.6	112	107	10.4	12.0	153	148
4 x 0.75	8.0	9.4	81	9.0	10.5	130	125	11.1	13.0	174	169
5 x 0.75	8.9	10.5	100	9.9	11.5	155	149	12.0	13.5	203	197
7 x 0.75	9.6	11.0	126	10.6	12.0	186	179	12.5	14.0	231	225
10 x 0.75	12.2	14.0	179	13.7	15.5	291	279	15.8	17.5	353	340
12 x 0.75	12.6	14.5	203	14.1	16.0	320	307	16.2	18.0	384	370
14 x 0.75	13.2	15.0	229	14.7	16.5	352	338	16.8	18.5	418	404
16 x 0.75	14.1	16.0	262	15.6	17.5	394	379	17.8	20.0	465	450
19 x 0.75	14.8	16.5	300	16.3	18.5	439	424	18.5	20.5	513	498
24 x 0.75	17.4	19.5	379	18.9	21.0	543	525	21.2	23.5	633	615
27 x 0.75	17.8	20.0	415	19.3	21.5	584	566	21.7	24.0	675	657
30 x 0.75	18.4	20.5	452	19.9	22.0	628	609	22.3	24.5	722	703
33 x 0.75	19.3	21.5	499	20.8	23.0	685	665	23.2	26.0	783	763
37 x 0.75	20.0	22.5	548	21.5	24.0	742	721	24.0	26.5	844	824
2 x 1	7.6	8.6	66	8.6	9.8	115	109	10.6	12.0	165	159
3 x 1	8.0	9.2	83	9.0	10.5	135	129	11.1	12.5	186	180
4 x 1	8.9	10.5	106	9.9	11.5	164	157	12.0	13.5	218	211
5 x 1	9.7	11.0	125	10.7	12.0	218	207	12.7	14.5	276	265
7 x 1	10.5	12.0	158	12.0	13.5	259	247	14.0	15.5	321	309
10 x 1	13.4	15.5	224	14.9	17.0	352	337	17.1	19.0	434	420
12 x 1	14.0	16.0	262	15.5	17.5	396	381	17.7	19.5	479	464
14 x 1	14.7	16.5	296	16.2	18.0	438	422	18.4	20.5	524	508
16 x 1	15.5	17.5	330	17.0	19.0	480	463	19.2	21.5	569	553
19 x 1	16.3	18.5	386	17.8	20.0	547	529	20.0	22.5	649	631
24 x 1	19.4	21.5	487	20.9	23.0	676	656	23.3	25.5	790	769
27 x 1	19.8	22.0	534	21.3	23.5	729	708	23.7	26.0	842	821
30 x 1	20.5	23.0	582	22.0	24.5	785	763	24.6	27.0	913	892
33 x 1	21.3	24.0	632	22.8	25.5	844	821	25.4	28.5	975	953
37 x 1	22.3	25.0	706	23.8	26.5	930	906	26.4	29.0	1063	1040
2 x 1.5	8.2	9.6	84	9.2	10.5	138	132	11.2	13.0	189	183
3 x 1.5	8.9	10.0	107	9.9	11.5	165	158	12.0	13.5	219	213
4 x 1.5	9.7	11.0	131	10.7	12.0	224	213	12.7	14.0	283	272
5 x 1.5	10.5	12.0	156	12.0	13.5	257	245	14.0	15.5	318	307
7 x 1.5	11.6	13.0	206	13.1	14.5	318	305	15.1	17.0	382	369
10 x 1.5	14.8	16.5	292	16.3	18.0	434	418	18.5	20.5	520	504
12 x 1.5	15.3	17.0	334	16.8	18.5	482	466	19.0	21.0	569	553
14 x 1.5	16.0	18.0	378	17.5	20.0	534	517	19.7	22.0	634	617
16 x 1.5	17.1	19.0	432	18.6	20.5	600	582	21.0	23.0	702	683
19 x 1.5	18.0	20.0	497	19.5	21.5	675	656	21.9	24.0	780	761
24 x 1.5	21.2	24.0	628	22.7	25.5	839	817	25.3	28.0	970	948
27 x 1.5	21.7	24.5	701	23.2	26.0	921	898	25.8	28.5	1052	1029
30 x 1.5	22.6	25.0	765	24.1	26.5	994	970	26.7	29.5	1128	1105
33 x 1.5	23.5	26.0	832	25.0	27.5	1072	1047	27.6	30.5	1208	1183
37 x 1.5	24.4	27.0	929	25.9	29.0	1182	1157	28.5	31.5	1333	1308
2 x 2.5	9.4	10.5	113	10.4	11.5	174	167	12.4	13.5	228	221
3 x 2.5	10.0	11.0	148	11.0	12.0	244	233	13.0	14.5	301	290
4 x 2.5	10.9	13.0	190	12.4	13.5	297	285	14.4	16.0	359	347
5 x 2.5	12.1	13.5	227	13.6	15.0	344	331	15.6	17.0	416	403
7 x 2.5	13.1	14.5	296	14.6	16.0	425	411	16.8	18.5	498	484
10 x 2.5	17.0	18.5	427	18.5	20.0	594	576	20.9	22.5	694	676
12 x 2.5	17.6	19.0	494	19.1	20.5	669	650	21.5	23.0	768	749
14 x 2.5	18.4	20.0	562	19.9	21.5	747	727	22.3	24.0	848	828
16 x 2.5	19.7	21.5	641	21.2	23.0	840	820	23.6	25.5	946	925
19 x 2.5	20.7	22.5	742	22.2	24.0	954	933	24.8	26.5	1072	1050
24 x 2.5	24.4	26.5	948	25.9	28.0	1202	1177	28.5	30.5	1349	1323
27 x 2.5	25.1	27.0	1045	26.6	28.5	1308	1282	29.4	31.5	1453	1427
30 x 2.5	26.0	28.0	1146	27.5	29.5	1421	1394	30.3	32.5	1568	1541
33 x 2.5	27.1	29.0	1261	28.6	30.5	1553	1524	31.4	33.5	1704	1675
37 x 2.5	28.3	30.5	1394	29.8	32.0	1700	1671	32.6	35.0	1867	1837

注: 上述参数仅供参考, 如需采用须经我司技术部门确认。上述任何参数修改恕不另行通知。

Note: Data above only for reference, confirmation needed by our technical department. We reserve the right to alter all information without notice.

CKJJP/SC Series,CKJPFP/SC Series**150/250V**

交联聚乙烯绝缘低烟无卤船用控制电缆

XLPE insulated halogen-free low-smoke shipboard control cable图例 **Example:****CKJPFP86/SC
19X2.5**

型号: **CKJJP/SC**
 Type: **CKJJP80/SC**
CKJJP90/SC
CKJJP85/SC
CKJJP95/SC
CKJPFP/SC
CKJPFP80/SC
CKJPFP90/SC
CKJPFP86/SC
CKJPFP96/SC

用途 Application

船用控制电缆可用于河海各种船舶及海上石油平台等水上建筑的电力照明和一般控制装置之用。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for control system of shipboard and off-shore building and it is also available to metallurgical industry, chemical works, power plant and mining factory.

执行标准 Standards applied

IEC 60092-376	– 设计	Design
IEC 60228 Class2	– 导体	Conductor
IEC 60092-351	– 绝缘	Insulation
IEC 60092-359	– 护套	Sheath
IEC 60332-3-22	– 阻燃	Flame Retardant
IEC 60754	– 无卤	Halogen Free
IEC 61034	– 低烟	Low Smoke

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CK	船用控制电缆 Shipboard control cable
导体 Conductor		绞合镀锡退火铜, IEC 60228 Class 2 Stranded tinned annealed copper (STC), IEC 60228 Class 2
绝缘 Insulation	J	交联聚乙烯 XLPE, IEC 60092-351
内护套 Inner sheath	PJ	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	PF	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
单芯屏蔽 Individual screen	P	镀锡铜丝编织 Tinned copper wire braided
铠装 Armor	8	镀锡铜丝编织 Tinned copper wire braid (TCWB)
	9	镀锌钢丝编织 Galvanized steel wire braided (GSWB)
外护套 Outer sheath	0	无外护套 Without outer sheath
	5	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	6	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	SC	低烟无卤阻燃 LSHF Flame retardant, IEC60332-3-22(CAT.A)

CKJJP/SC, CKJFP/SC

(CKJVP/SA Series参照使用)

芯数x截面 No. of cores x sectional area	CKJJP/SC, CKJFP/SC			CKJJP80/SC, CKJFP80/SC CKJJP90/SC, CKJFP90/SC				CKJJP85/SC, CKJFP86/SC CKJJP95/SC, CKJFP96/SC			
	外径		约重 Approx. weight	外径		约重		外径		约重	
	Over diam. mm			Over diam. mm		Approx. weight		Over diam. mm		Approx. weight	
	No. x mm ²	标称 Nom.	最大 Max.	kg/km	标称 Nom.	最大 Max.	80系列 kg/km	90系列 kg/km	标称 Nom.	最大 Max.	85系列 kg/km
2 x 0.75	9.2	10.0	93	10.3	11.0	149	143	12.3	13.0	195	189
3 x 0.75	9.7	10.5	119	10.8	11.5	179	173	12.8	13.5	226	219
4 x 0.75	10.5	11.5	146	12.1	13.0	243	232	14.2	15.0	296	285
5 x 0.75	11.6	12.5	179	13.2	14.5	286	274	15.4	16.5	345	333
7 x 0.75	12.6	14.0	230	14.2	15.5	348	335	16.4	17.5	411	398
10 x 0.75	16.0	17.5	325	17.6	19.0	475	459	20.0	21.5	558	541
12 x 0.75	16.5	18.0	373	18.1	20.0	530	513	20.5	22.0	613	596
14 x 0.75	17.5	19.0	431	19.1	20.5	599	581	21.5	23.0	687	669
16 x 0.75	18.4	20.0	482	20.0	21.5	660	641	22.5	24.0	753	734
19 x 0.75	19.6	21.5	564	21.2	23.0	755	735	23.8	25.5	855	835
24 x 0.75	23.0	25.0	711	24.6	26.5	937	914	27.3	29.5	1059	1035
27 x 0.75	23.5	25.5	782	25.1	27.0	1016	992	27.8	30.0	1138	1114
30 x 0.75	24.3	26.5	855	25.9	28.5	1099	1074	28.7	31.0	1225	1200
33 x 0.75	25.4	27.5	940	27.0	29.0	1197	1171	29.8	32.0	1330	1304
37 x 0.75	26.4	28.5	1037	28.0	30.5	1307	1280	30.9	33.0	1445	1418
2 x 1	9.8	10.5	107	10.9	11.5	167	160	12.9	13.5	215	208
3 x 1	10.4	11.0	138	12.0	12.5	234	223	14.1	15.0	287	276
4 x 1	11.5	12.0	175	13.1	13.5	281	269	15.2	16.0	340	328
5 x 1	12.5	13.5	209	14.1	15.0	325	312	16.3	17.0	389	375
7 x 1	13.5	14.5	269	15.1	16.0	396	382	17.3	18.0	464	450
10 x 1	17.4	18.5	390	19.0	20.0	555	537	21.4	22.5	644	626
12 x 1	18.0	19.0	448	19.6	20.5	621	602	22.1	23.0	713	694
14 x 1	18.8	20.0	508	20.4	21.5	690	671	22.9	24.0	785	766
16 x 1	20.1	21.5	579	21.7	23.0	775	754	24.3	25.5	878	857
19 x 1	21.1	22.5	668	22.7	24.0	877	855	25.3	26.5	983	961
24 x 1	25.0	26.5	853	26.6	28.0	1102	1077	29.4	30.5	1236	1211
27 x 1	25.5	27.0	938	27.1	28.5	1196	1170	29.9	31.5	1330	1304
30 x 1	26.4	28.0	1027	28.0	29.5	1296	1269	30.9	32.5	1435	1408
33 x 1	27.7	29.0	1130	29.3	30.5	1415	1387	32.3	33.5	1562	1534
37 x 1	28.7	30.5	1247	30.3	32.0	1546	1517	33.3	35.0	1697	1668
2 x 1.5	10.4	11.0	123	12.0	12.5	218	207	14.1	15.0	272	262
3 x 1.5	11.0	12.0	160	12.6	13.5	262	250	14.7	15.5	318	306
4 x 1.5	12.2	13.0	206	13.8	14.5	320	307	16.0	17.0	381	368
5 x 1.5	13.3	14.0	246	14.9	16.0	371	357	17.1	18.0	437	424
7 x 1.5	14.6	15.5	327	16.2	17.0	466	451	18.5	19.5	538	523
10 x 1.5	18.6	20.0	462	20.2	21.5	640	621	22.7	24.0	737	718
12 x 1.5	19.2	20.5	533	20.8	22.0	720	700	23.3	24.5	817	797
14 x 1.5	20.4	21.5	617	22.0	23.0	817	797	24.6	26.0	921	900
16 x 1.5	21.5	23.0	692	23.1	24.5	905	883	25.7	27.0	1014	992
19 x 1.5	22.8	24.0	811	24.4	25.5	1041	1017	27.1	28.5	1156	1132
24 x 1.5	26.8	28.5	1022	28.4	30.0	1294	1267	31.3	33.0	1437	1410
27 x 1.5	27.4	29.0	1127	29.0	30.5	1410	1382	31.9	33.5	1553	1525
30 x 1.5	28.6	30.5	1249	30.2	32.0	1547	1518	33.2	35.0	1697	1668
33 x 1.5	29.7	31.5	1359	31.3	33.0	1672	1641	34.4	36.0	1828	1798
37 x 1.5	31.0	33.0	1516	33.1	35.0	1934	1892	36.2	38.0	2102	2060
2 x 2.5	11.2	13.0	155	12.8	14.0	258	246	14.9	16.0	315	303
3 x 2.5	12.1	13.0	211	13.7	14.5	324	311	15.9	17.0	385	372
4 x 2.5	13.2	14.5	265	14.8	16.0	390	376	17.0	18.0	455	441
5 x 2.5	14.5	16.0	325	16.1	17.5	463	448	18.4	19.5	535	520
7 x 2.5	15.8	17.0	427	17.4	18.5	581	564	19.8	21.0	657	641
10 x 2.5	20.4	22.0	615	22.0	23.5	815	794	24.6	26.5	919	898
12 x 2.5	21.1	23.0	714	22.7	24.5	925	903	25.3	27.0	1029	1007
14 x 2.5	22.3	24.0	825	23.9	25.5	1051	1028	26.6	28.5	1161	1138
16 x 2.5	23.5	25.5	928	25.1	27.0	1169	1145	27.8	30.0	1284	1260
19 x 2.5	25.0	27.0	1089	26.6	28.5	1350	1325	29.4	31.5	1472	1446
24 x 2.5	29.4	31.5	1373	31.0	33.5	1684	1654	34.0	36.5	1836	1806
27 x 2.5	30.0	32.5	1517	31.6	34.0	1840	1809	34.7	37.5	1992	1961
30 x 2.5	31.3	34.0	1681	33.4	36.0	2111	2068	36.6	39.0	2274	2231
33 x 2.5	32.5	35.5	1832	34.6	37.5	2282	2238	37.8	40.5	2451	2407
37 x 2.5	34.0	36.5	2045	36.1	39.0	2522	2476	39.4	42.0	2699	2653

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CKJ85/SC, CKJ86/SC Series

150/250V

交联聚乙烯绝缘低烟无卤船用控制电缆

XLPE insulated halogen-free low-smoke shipboard control cable

图例 Example:

CKJ85/SC
19X2.5



型号: CKJ85/SC
Type: CKJ86/SC

用途 Application

船用控制电缆可用于河海各种船舶及海上石油平台等水上建筑的电力照明和一般控制装置之用。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for control system of shipboard and off-shore building and it is also available to metallurgical industry, chemical works, power plant and mining factory.

执行标准 Standards applied

IEC 60092-376	– 设计	Design
IEC 60228 Class2	– 导体	Conductor
IEC 60092-351	– 绝缘	Insulation
IEC 60092-359	– 护套	Sheath
IEC 60332-3-22	– 阻燃	Flame Retardant
IEC 60754	– 无卤	Halogen Free
IEC 61034	– 低烟	Low Smoke

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CK	船用控制电缆 Shipboard control cable
导体 Conductor		绞合镀锡退火铜, IEC 60228 Class 2 Stranded tinned annealed copper (STC), IEC 60228 Class 2
绝缘 Insulation	J	交联聚乙烯 XLPE, IEC 60092-351
铠装 Armor	8	镀锡铜丝编织 Tinned copper wire braid (TCWB)
外护套 Outer sheath	5	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	6	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	SC	低烟无卤阻燃 LSHF Flame retardant, IEC60332-3-22(CAT.A)

CKJ85/SC, CKJ86/SC

芯数x截面 No. of cores x sectional area	外径 Over diam. mm		约重 Approx. weight	芯数x截面 No. of cores x sectional area	外径 Over diam. mm		约重 Approx. weight
	标称	最大			标称	最大	
No. x mm ²	Nom.	Max.	kg/km	No. x mm ²	Nom.	Max.	kg/km
2 x 0.75	8.3	9.4	93	2 x 1.5	9.4	10.5	133
3 x 0.75	8.7	9.8	109	3 x 1.5	9.9	11.5	159
4 x 0.75	9.4	11.0	128	4 x 1.5	10.7	12.0	193
5 x 0.75	10.1	11.5	148	5 x 1.5	11.7	13.0	223
7 x 0.75	10.9	12.5	180	7 x 1.5	12.6	14.0	274
10 x 0.75	13.5	15.0	248	10 x 1.5	16.3	18.0	426
12 x 0.75	14.4	16.0	310	12 x 1.5	17.0	19.0	473
14 x 0.75	15.1	17.0	343	14 x 1.5	17.7	20.0	524
16 x 0.75	15.8	18.0	377	16 x 1.5	18.6	20.5	578
19 x 0.75	16.6	18.5	423	19 x 1.5	19.7	22.0	661
24 x 0.75	19.2	21.5	524	24 x 1.5	22.9	25.5	821
27 x 0.75	19.6	22.0	565	27 x 1.5	23.4	26.0	888
30 x 0.75	20.3	22.5	610	30 x 1.5	24.1	26.5	959
33 x 0.75	21.0	23.5	656	33 x 1.5	25.2	28.0	1046
37 x 0.75	21.8	24.5	715	37 x 1.5	26.1	29.0	1140
2 x 1	8.8	10.0	116	2 x 2.5	10.4	11.5	167
3 x 1	9.2	10.5	135	3 x 2.5	11.2	12.5	210
4 x 1	9.9	11.5	158	4 x 2.5	12.1	13.5	252
5 x 1	10.7	12.0	187	5 x 2.5	13.1	14.5	296
7 x 1	11.7	13.0	226	7 x 2.5	14.8	16.0	413
10 x 1	15.1	17.0	347	10 x 2.5	18.5	20.0	569
12 x 1	15.5	17.5	381	12 x 2.5	19.3	21.0	650
14 x 1	16.2	18.0	429	14 x 2.5	20.1	22.0	725
16 x 1	17.2	19.0	472	16 x 2.5	21.2	23.0	805
19 x 1	18.0	20.0	527	19 x 2.5	22.4	24.0	926
24 x 1	20.9	23.0	654	24 x 2.5	26.1	28.0	1153
27 x 1	21.3	23.5	703	27 x 2.5	26.6	28.5	1255
30 x 1	22.2	24.5	769	30 x 2.5	27.7	29.5	1377
33 x 1	23.0	25.5	827	33 x 2.5	28.8	31.0	1489
37 x 1	23.8	26.5	897	37 x 2.5	29.8	32.0	1646

注：上述参数仅供参考，如需采用须经我司技术部门确认。上述任何参数修改恕不另行通知。

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CKJP85/SC Series,CKJP86/SC Series**150/250V**

交联聚乙烯绝缘低烟无卤船用控制电缆

XLPE insulated halogen-free low-smoke shipboard control cable图例 **Example:**型号: **CKJP85/SC**Type: **CKJP86/SC****CKJP86/SC****19X2.5****用途 Application**

船用控制电缆可用于河海各种船舶及海上石油平台等水上建筑的电力照明和一般控制装置之用。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for control system of shipboard and off-shore building and it is also available to metallurgical industry, chemical works, power plant and mining factory.

执行标准 Standards applied

IEC 60092-376	– 设计	Design
IEC 60228 Class2	– 导体	Conductor
IEC 60092-351	– 绝缘	Insulation
IEC 60092-359	– 护套	Sheath
IEC 60332-3-22	– 阻燃	Flame Retardant
IEC 60754	– 无卤	Halogen Free
IEC 61034	– 低烟	Low Smoke

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CK	船用控制电缆 Shipboard control cable
导体 Conductor		绞合镀锡退火铜, IEC 60228 Class 2 Stranded tinned annealed copper (STC), IEC 60228 Class 2
绝缘 Insulation	J	交联聚乙烯 XLPE, IEC 60092-351
单芯屏蔽 Individual screen	P	镀锡铜丝编织 Tinned copper wire braided
铠装 Armor	8	镀锡铜丝编织 Tinned copper wire braid (TCWB)
外护套 Outer sheath	5	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	6	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	SC	低烟无卤阻燃 LSHF Flame retardant, IEC60332-3-22(CAT.A)

CKJP85/SC, CKJP86/SC

芯数x截面 No. of cores x sectional area	外径 Over diam. mm		约重 Approx. weight	芯数x截面 No. of cores x sectional area	外径 Over diam. mm		约重 Approx. weight
	标称	最大			标称	最大	
No. x mm ²	Nom.	Max.	kg/km	No. x mm ²	Nom.	Max.	kg/km
2 x 0.75	10.1	11.5	137	2 x 1.5	11.4	12.5	176
3 x 0.75	10.6	12.0	166	3 x 1.5	12.1	13.0	218
4 x 0.75	11.5	13.0	199	4 x 1.5	13.1	14.5	266
5 x 0.75	12.5	14.0	234	5 x 1.5	14.9	16.0	351
7 x 0.75	13.6	15.0	293	7 x 1.5	16.0	17.5	437
10 x 0.75	17.6	19.5	452	10 x 1.5	20.2	21.5	610
12 x 0.75	18.1	20.0	505	12 x 1.5	20.8	22.5	688
14 x 0.75	19.0	21.0	565	14 x 1.5	21.9	23.5	775
16 x 0.75	19.9	22.0	626	16 x 1.5	23.1	25.0	864
19 x 0.75	21.0	23.0	712	19 x 1.5	24.3	26.0	987
24 x 0.75	24.5	27.0	890	24 x 1.5	28.4	30.5	1237
27 x 0.75	25.0	27.5	966	27 x 1.5	29.0	31.0	1350
30 x 0.75	25.9	28.5	1050	30 x 1.5	30.1	32.0	1472
33 x 0.75	26.8	29.5	1135	33 x 1.5	31.3	33.5	1598
37 x 0.75	27.9	30.5	1246	37 x 1.5	32.5	34.5	1757
2 x 1	10.8	12.0	155	2 x 2.5	12.3	13.5	214
3 x 1	11.4	12.5	190	3 x 2.5	13.0	14.5	270
4 x 1	12.4	13.5	230	4 x 2.5	14.8	16.0	369
5 x 1	13.5	14.5	272	5 x 2.5	15.9	17.5	435
7 x 1	15.1	16.5	377	7 x 2.5	17.3	19.0	551
10 x 1	18.9	20.5	523	10 x 2.5	21.9	24.0	774
12 x 1	19.5	21.0	588	12 x 2.5	22.6	24.5	880
14 x 1	20.4	22.0	658	14 x 2.5	23.7	26.0	994
16 x 1	21.6	23.0	734	16 x 2.5	25.0	27.5	1112
19 x 1	22.6	24.5	834	19 x 2.5	26.4	29.0	1279
24 x 1	26.4	28.5	1043	24 x 2.5	31.0	33.5	1608
27 x 1	27.0	29.0	1135	27 x 2.5	31.6	34.5	1760
30 x 1	27.9	30.0	1235	30 x 2.5	32.8	35.5	1926
33 x 1	29.1	31.0	1341	33 x 2.5	34.1	37.0	2094
37 x 1	30.2	32.5	1472	37 x 2.5	35.5	38.5	2312

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CKJPJ/NC Series,CKJPF/NC Series**150/250V**

交联聚乙烯绝缘低烟无卤船用控制电缆

XLPE insulated halogen-free low-smoke shipboard control cable

图例 Example:

**CKJPJ85/NC
19X2.5**

型号: **CKJPJ/NC**
 Type: **CKJPJ80/NC**
CKJPJ90/NC
CKJPJ85/NC
CKJPJ95/NC
CKJPF/NC
CKJPF80/NC
CKJPF90/NC
CKJPF86/NC
CKJPF96/NC

用途 Application

船用控制电缆可用于河海各种船舶及海上石油平台等水上建筑的电力照明和一般控制装置之用。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for control system of shipboard and off-shore building and it is also available to metallurgical industry, chemical works, power plant and mining factory.

执行标准 Standards applied

IEC 60092-376	– 设计	Design
IEC 60228 Class2	– 导体	Conductor
IEC 60092-351	– 绝缘	Insulation
IEC 60092-359	– 护套	Sheath
IEC 60331	– 耐火	Fire Resistant
IEC 60332-3-22	– 阻燃	Flame Retardant
IEC 60754	– 无卤	Halogen Free
IEC 61034	– 低烟	Low Smoke

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CK	船用控制电缆 Shipboard control cable
导体 Conductor		绞合镀锡退火铜, IEC 60228 Class 2 Stranded tinned annealed copper (STC), IEC 60228 Class 2
绝缘 Insulation	J	耐火云母带+交联聚乙烯 Mica glass tape + XLPE, IEC 60092-351
内护套 Inner sheath	PJ	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	PF	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
铠装 Armor	8	镀锡铜丝编织 Tinned copper wire braid (TCWB)
	9	镀锌钢丝编织 Galvanized steel wire braided (GSWB)
外护套 Outer sheath	0	无外护套 Without outer sheath
	5	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	6	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	NC	低烟无卤耐火 LSHF Fire resistant, IEC60331

HI-SEA MARINE

CKJPJ/NC, CKJPF/NC

(CKJV/NA Series参照使用)

芯数x截面 No. of cores x sectional area	CKJPJ/NC, CKJPF/NC			CKJPJ80/NC, CKJPF80/NC CKJPJ90/NC, CKJPF90/NC				CKJPJ85/NC, CKJPF86/NC CKJPJ95/NC, CKJPF96/NC			
	外径		约重	外径		约重		外径		约重	
	Over diam. mm		Approx. weight	Over diam. mm		Approx. weight		Over diam. mm		Approx. weight	
	标称 Nom.	最大 Max.	kg/km	标称 Nom.	最大 Max.	80系列 kg/km	90系列 kg/km	标称 Nom.	最大 Max.	85系列 kg/km	95系列 kg/km
No. x mm ²											
2 x 0.75	8.3	9.6	66	9.3	10.5	116	110	11.2	12.5	157	151
3 x 0.75	9.0	10.0	86	10.0	11.5	141	135	11.9	13.0	184	178
4 x 0.75	9.8	11.0	104	10.8	12.0	164	157	12.7	14.0	212	205
5 x 0.75	10.6	12.0	123	12.1	13.5	220	208	14.1	15.5	273	262
7 x 0.75	11.7	13.0	160	13.2	14.5	267	255	15.3	17.0	327	315
10 x 0.75	14.9	16.5	227	16.4	18.0	364	348	18.6	20.5	442	426
12 x 0.75	15.4	17.0	257	16.9	18.5	399	383	19.1	21.0	480	464
14 x 0.75	16.1	18.0	289	17.6	20.0	438	422	19.9	22.0	523	506
16 x 0.75	17.2	19.0	330	18.7	20.5	490	473	21.0	23.0	581	563
19 x 0.75	18.1	20.0	378	19.6	21.5	548	529	22.0	24.0	643	624
24 x 0.75	21.3	24.0	477	22.8	25.5	678	656	25.3	28.0	795	773
27 x 0.75	21.8	24.5	522	23.3	26.0	729	707	25.9	28.5	848	826
30 x 0.75	22.7	25.0	578	24.2	26.5	795	772	26.8	29.5	920	896
33 x 0.75	23.6	26.0	626	25.1	27.5	853	829	27.8	30.5	983	959
37 x 0.75	24.5	27.0	688	26.0	29.0	925	900	28.7	31.5	1061	1035
2 x 1	9.1	10.5	83	10.1	11.5	140	133	12.0	13.5	196	189
3 x 1	9.6	11.0	103	10.6	12.0	164	157	12.5	14.0	221	214
4 x 1	10.5	12.0	126	12.0	13.5	224	213	14.0	15.5	287	276
5 x 1	11.5	13.0	154	13.0	14.5	263	250	15.0	17.0	329	316
7 x 1	12.5	14.0	195	14.0	16.0	314	300	16.2	18.0	392	379
10 x 1	16.0	18.0	276	17.5	20.0	427	410	19.7	22.0	531	514
12 x 1	16.7	18.5	321	18.2	20.5	480	462	20.6	23.0	585	567
14 x 1	17.6	19.5	362	19.1	21.0	530	512	21.5	24.0	639	620
16 x 1	18.5	20.5	403	20.0	22.5	581	561	22.4	25.0	696	676
19 x 1	19.7	22.0	472	21.2	23.5	663	642	23.6	26.0	779	758
24 x 1	23.2	25.5	595	24.7	27.5	820	796	27.3	30.0	965	941
27 x 1	23.7	26.5	650	25.2	28.0	882	857	27.8	30.5	1028	1003
30 x 1	24.8	27.5	721	26.3	29.0	965	940	29.1	32.0	1130	1104
33 x 1	25.7	28.5	780	27.2	30.0	1035	1008	30.0	33.0	1203	1177
37 x 1	26.7	29.5	858	28.2	31.5	1125	1097	31.0	34.0	1295	1268
2 x 1.5	9.7	11.0	98	10.7	12.0	159	152	12.6	14.0	216	209
3 x 1.5	10.3	11.5	124	11.8	13.0	221	209	13.8	15.0	282	270
4 x 1.5	11.4	13.0	158	12.9	14.5	265	253	14.9	16.5	331	319
5 x 1.5	12.3	14.0	187	13.8	15.5	304	291	15.8	17.5	380	367
7 x 1.5	13.4	15.5	240	14.9	17.0	368	354	17.1	19.0	449	435
10 x 1.5	17.4	19.5	348	18.9	21.0	514	496	21.3	23.5	622	604
12 x 1.5	18.0	20.0	397	19.5	21.5	570	551	21.9	24.0	680	661
14 x 1.5	18.9	21.0	450	20.4	23.0	633	613	22.8	25.5	745	725
16 x 1.5	20.1	22.5	512	21.6	24.0	708	687	24.0	26.5	836	815
19 x 1.5	21.2	23.5	589	22.7	25.0	798	776	25.3	28.0	931	909
24 x 1.5	25.2	28.0	754	26.7	29.5	1003	977	29.5	32.5	1167	1140
27 x 1.5	25.7	28.5	827	27.2	30.0	1084	1057	30.0	33.0	1250	1223
30 x 1.5	26.7	29.5	903	28.2	31.0	1172	1144	31.0	34.0	1341	1313
33 x 1.5	27.9	31.0	993	29.4	32.5	1276	1247	32.2	35.5	1447	1418
37 x 1.5	29.0	32.0	1094	30.5	33.5	1391	1361	33.5	36.5	1582	1553
2 x 2.5	10.7	12.0	128	12.2	13.5	228	217	14.2	15.5	291	279
3 x 2.5	11.6	12.5	172	13.1	14.5	282	269	15.2	16.5	347	334
4 x 2.5	12.6	14.0	213	14.1	15.5	333	319	16.2	17.5	408	394
5 x 2.5	13.9	15.5	262	15.4	17.0	395	381	17.6	19.0	476	461
7 x 2.5	15.1	16.5	340	16.6	18.0	487	471	18.8	20.5	571	555
10 x 2.5	19.6	21.5	490	21.1	23.0	681	660	23.5	25.5	791	771
12 x 2.5	20.3	22.0	565	21.8	23.5	765	744	24.2	26.0	888	867
14 x 2.5	21.3	23.0	642	22.8	24.5	854	832	25.4	27.5	979	957
16 x 2.5	22.7	24.5	731	24.2	26.0	959	935	26.8	29.0	1089	1065
19 x 2.5	23.9	26.0	845	25.4	27.5	1088	1064	28.0	30.0	1221	1196
24 x 2.5	28.4	30.5	1078	29.9	32.0	1369	1340	32.7	35.0	1551	1522
27 x 2.5	29.0	31.0	1188	30.5	33.0	1490	1460	33.5	36.0	1669	1639
30 x 2.5	30.3	32.5	1316	32.3	34.5	1721	1679	35.3	38.0	1908	1866
33 x 2.5	31.5	34.0	1431	33.5	36.0	1855	1811	36.5	39.0	2063	2020
37 x 2.5	32.9	35.5	1596	34.9	37.5	2043	1998	38.1	41.0	2254	2209

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CKJJP/NC Series,CKJPFP/NC Series**150/250V**

交联聚乙烯绝缘低烟无卤船用控制电缆

XLPE insulated halogen-free low-smoke shipboard control cable

图例 Example:

**CKJPFP86/NC
19X2.5**

型号: CKJJP/NC
 Type: CKJJP80/NC
 CKJJP90/NC
 CKJJP85/NC
 CKJJP95/NC
 CKJPFP/NC
 CKJPFP80/NC
 CKJPFP90/NC
 CKJPFP86/NC
 CKJPFP96/NC

用途 Application

船用控制电缆可用于河海各种船舶及海上石油平台等水上建筑的电力照明和一般控制装置之用。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for control system of shipboard and off-shore building and it is also available to metallurgical industry, chemical works, power plant and mining factory.

执行标准 Standards applied

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IEC 60228 Class2	– 导体	Conductor
IEC 60092-351	– 绝缘	Insulation
IEC 60092-359	– 护套	Sheath
IEC 60331	– 耐火	Fire Resistant
IEC 60332-3-22	– 阻燃	Flame Retardant
IEC 60754	– 无卤	Halogen Free
IEC 61034	– 低烟	Low Smoke

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CK	船用控制电缆 Shipboard control cable
导体 Conductor		绞合镀锡退火铜, IEC 60228 Class 2 Stranded tinned annealed copper (STC), IEC 60228 Class 2
绝缘 Insulation	J	耐火云母带+交联聚乙烯 Mica glass tape + XLPE, IEC 60092-351
内护套 Inner sheath	PJ	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	PF	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
单芯屏蔽 Individual screen	P	镀锡铜丝编织 Tinned copper wire braided
铠装 Armor	8	镀锡铜丝编织 Tinned copper wire braid (TCWB)
	9	镀锌钢丝编织 Galvanized steel wire braided (GSWB)
外护套 Outer sheath	0	无外护套 Without outer sheath
	5	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	6	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	NC	低烟无卤耐火 LSHF Fire resistant, IEC60331

CKJJP/NC, CKJFP/NC

(CKJVP/NA Series参照使用)

芯数x截面 No. of cores x sectional area	CKJJP/NC, CKJFP/NC			CKJJP80/NC, CKJFP80/NC CKJJP90/NC, CKJFP90/NC				CKJJP85/NC, CKJFP86/NC CKJJP95/NC, CKJFP96/NC			
	外径		约重 Approx. weight	外径		约重		外径		约重	
	Over diam. mm			Over diam. mm		Approx. weight		Over diam. mm		Approx. weight	
	标称 Nom.	最大 Max.	kg/km	标称 Nom.	最大 Max.	80系列 kg/km	90系列 kg/km	标称 Nom.	最大 Max.	85系列 kg/km	95系列 kg/km
No. x mm ²											
2 x 0.75	10.1	11.5	111	11.6	13.0	203	192	13.6	15.0	254	244
3 x 0.75	10.7	12.0	143	12.2	13.5	241	230	14.2	15.5	296	285
4 x 0.75	11.9	13.0	184	13.4	15.0	294	282	15.5	17.0	354	342
5 x 0.75	13.0	14.5	221	14.5	16.0	342	328	16.6	18.0	406	393
7 x 0.75	14.3	16.0	293	15.8	17.5	428	413	18.0	19.5	498	483
10 x 0.75	18.3	20.0	415	19.8	22.0	588	570	22.2	24.5	684	665
12 x 0.75	18.9	21.0	478	20.4	22.5	659	640	22.8	25.0	756	737
14 x 0.75	20.1	22.0	554	21.6	23.5	749	728	24.1	26.0	851	831
16 x 0.75	21.2	23.0	621	22.7	25.0	828	806	25.2	27.5	937	915
19 x 0.75	22.5	24.5	728	24.0	26.5	951	928	26.6	29.0	1066	1043
24 x 0.75	26.5	29.0	918	28.0	30.5	1183	1156	30.8	33.5	1326	1299
27 x 0.75	27.1	30.0	1011	28.6	31.5	1285	1258	31.4	34.5	1430	1403
30 x 0.75	28.3	31.0	1121	29.8	32.5	1410	1382	32.7	35.5	1562	1533
33 x 0.75	29.4	32.5	1219	30.9	34.0	1522	1492	33.8	37.0	1681	1651
37 x 0.75	30.7	33.5	1360	32.7	35.5	1767	1725	35.7	39.0	1939	1897
2 x 1	10.7	12.0	125	12.2	13.5	223	211	14.2	15.5	277	266
3 x 1	11.6	12.5	169	13.1	14.5	276	264	15.2	16.5	334	322
4 x 1	12.6	14.0	210	14.1	15.5	327	314	16.2	17.5	390	376
5 x 1	14.0	15.0	258	15.5	17.0	389	374	17.7	19.0	459	445
7 x 1	15.2	16.5	336	16.7	18.0	480	465	18.9	20.5	555	539
10 x 1	19.7	21.0	485	21.2	23.0	673	653	23.7	25.5	777	757
12 x 1	20.4	22.0	560	21.9	23.5	758	737	24.4	26.0	863	842
14 x 1	21.4	23.0	637	22.9	24.5	847	825	25.4	27.5	956	934
16 x 1	22.8	24.5	726	24.3	26.0	951	928	26.9	29.0	1069	1046
19 x 1	24.0	25.5	840	25.5	27.5	1081	1056	28.2	30.0	1204	1179
24 x 1	28.5	30.5	1072	30.0	32.0	1361	1332	32.9	35.0	1518	1489
27 x 1	29.1	31.0	1182	30.6	32.5	1481	1451	33.5	35.5	1638	1608
30 x 1	30.4	32.5	1309	32.4	34.5	1710	1669	35.4	37.5	1881	1840
33 x 1	31.6	33.5	1425	33.6	36.0	1845	1802	36.7	39.0	2023	1980
37 x 1	33.0	35.0	1590	35.0	37.5	2034	1989	38.1	40.5	2219	2174
2 x 1.5	11.5	12.5	147	13.0	14.0	252	240	15.0	16.5	310	298
3 x 1.5	12.2	13.5	192	13.7	15.0	305	292	15.8	17.0	367	354
4 x 1.5	13.3	14.5	241	14.8	16.0	365	351	16.9	18.5	431	417
5 x 1.5	14.8	16.0	297	16.3	17.5	436	421	18.5	20.0	510	495
7 x 1.5	16.1	17.5	388	17.6	19.0	542	526	19.9	21.5	622	605
10 x 1.5	20.9	22.5	561	22.4	24.0	763	741	24.9	26.5	872	851
12 x 1.5	21.6	23.0	649	23.1	25.0	861	839	25.7	27.5	972	950
14 x 1.5	22.9	24.5	751	24.4	26.0	978	955	27.0	29.0	1095	1072
16 x 1.5	24.2	26.0	844	25.7	27.5	1087	1062	28.4	30.5	1211	1187
19 x 1.5	25.7	27.5	990	27.2	29.0	1252	1226	30.0	32.0	1384	1358
24 x 1.5	30.5	34.0	1262	32.5	34.5	1662	1621	35.5	38.0	1836	1795
27 x 1.5	31.2	33.5	1393	33.2	35.0	1807	1765	36.3	38.5	1982	1940
30 x 1.5	32.3	34.5	1527	34.3	36.5	1960	1916	37.4	40.0	2141	2097
33 x 1.5	33.8	36.0	1679	35.8	38.0	2136	2090	39.0	41.5	2326	2280
37 x 1.5	35.1	37.5	1857	37.1	39.5	2336	2289	40.4	43.0	2534	2486
2 x 2.5	12.3	13.5	179	13.8	15.0	292	279	15.9	17.5	354	342
3 x 2.5	13.1	14.5	239	14.6	16.0	362	348	16.7	18.5	426	412
4 x 2.5	14.5	16.0	308	16.0	17.5	445	430	18.2	20.0	516	501
5 x 2.5	15.9	17.5	372	17.4	19.0	524	507	19.7	21.5	602	586
7 x 2.5	17.5	19.0	499	19.0	21.0	670	652	21.3	23.5	754	736
10 x 2.5	22.7	25.0	719	24.2	26.5	943	920	26.8	29.0	1061	1037
12 x 2.5	23.5	25.5	835	25.0	27.0	1071	1047	27.6	30.0	1190	1166
14 x 2.5	24.9	27.0	966	26.4	28.5	1220	1195	29.1	31.5	1346	1320
16 x 2.5	26.3	28.5	1088	27.8	30.0	1360	1333	30.6	33.0	1493	1466
19 x 2.5	27.9	30.5	1277	29.4	32.0	1571	1543	32.3	35.0	1711	1683
24 x 2.5	33.1	36.0	1625	35.1	38.0	2071	2026	38.3	41.5	2257	2212
27 x 2.5	33.8	36.5	1796	35.8	39.0	2258	2212	39.0	42.0	2443	2397
30 x 2.5	35.1	38.0	1973	37.1	40.5	2458	2411	40.4	44.0	2651	2603
33 x 2.5	36.7	39.5	2168	38.7	42.0	2680	2630	42.0	45.5	2882	2832
37 x 2.5	38.3	41.5	2419	40.3	43.5	2961	2909	43.7	47.0	3171	3119

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CKJ85/NC, CKJ86/NC Series**150/250V**

交联聚乙烯绝缘低烟无卤船用控制电缆

XLPE insulated halogen-free low-smoke shipboard control cable图例 **Example:**型号: **CKJ85/NC**Type: **CKJ86/NC****CKJ85/NC****19X2.5****用途 Application**

船用控制电缆可用于河海各种船舶及海上石油平台等水上建筑的电力照明和一般控制装置之用。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for control system of shipboard and off-shore building and it is also available to metallurgical industry, chemical works, power plant and mining factory.

执行标准 Standards applied

IEC 60092-376	– 设计	Design
IEC 60228 Class2	– 导体	Conductor
IEC 60092-351	– 绝缘	Insulation
IEC 60092-359	– 护套	Sheath
IEC 60332-3-22	– 阻燃	Flame Retardant
IEC 60754	– 无卤	Halogen Free
IEC 61034	– 低烟	Low Smoke

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CK	船用控制电缆 Shipboard control cable
导体 Conductor		绞合镀锡退火铜, IEC 60228 Class 2 Stranded tinned annealed copper (STC), IEC 60228 Class 2
绝缘 Insulation	J	耐火云母带+交联聚乙烯 Mica glass tape + XLPE, IEC 60092-351
铠装 Armor	8	镀锡铜丝编织 Tinned copper wire braid (TCWB)
外护套 Outer sheath	5	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	6	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	NC	低烟无卤耐火 LSHF Fire resistant, IEC60331

CKJ85/NC, CKJ86/NC

芯数x截面 No. of cores x sectional area	外径 Over diam. mm		约重 Approx. weight	芯数x截面 No. of cores x sectional area	外径 Over diam. mm		约重 Approx. weight
	标称	最大			标称	最大	
No. x mm ²	Nom.	Max.	kg/km	No. x mm ²	Nom.	Max.	kg/km
2 x 0.75	9.6	11.0	114	2 x 1.5	10.8	12.5	152
3 x 0.75	10.1	11.5	134	3 x 1.5	11.6	13.0	187
4 x 0.75	11.0	12.5	159	4 x 1.5	12.5	14.0	222
5 x 0.75	11.8	13.5	183	5 x 1.5	13.5	15.0	257
7 x 0.75	12.8	14.5	224	7 x 1.5	15.3	17.0	359
10 x 0.75	16.6	18.5	351	10 x 1.5	19.1	21.0	493
12 x 0.75	17.1	19.0	387	12 x 1.5	19.9	22.0	558
14 x 0.75	17.9	20.0	427	14 x 1.5	20.8	23.0	618
16 x 0.75	18.9	21.0	472	16 x 1.5	21.8	24.0	681
19 x 0.75	19.8	22.0	530	19 x 1.5	23.1	25.5	778
24 x 0.75	23.1	25.5	659	24 x 1.5	26.9	29.5	967
27 x 0.75	23.6	26.0	710	27 x 1.5	27.6	30.5	1059
30 x 0.75	24.4	27.0	766	30 x 1.5	28.6	31.5	1144
33 x 0.75	25.3	28.0	826	33 x 1.5	29.6	32.5	1231
37 x 0.75	26.3	29.0	900	37 x 1.5	30.9	34.0	1357
2 x 1	10.2	11.5	134	2 x 2.5	12.0	13.5	192
3 x 1	10.7	12.0	157	3 x 2.5	12.7	14.0	235
4 x 1	11.8	13.5	191	4 x 2.5	14.4	16.0	322
5 x 1	12.7	14.5	219	5 x 2.5	15.6	17.0	375
7 x 1	14.4	16.0	306	7 x 2.5	17.0	18.5	472
10 x 1	17.9	20.0	419	10 x 2.5	21.3	23.0	651
12 x 1	18.4	20.5	461	12 x 2.5	22.2	24.0	743
14 x 1	19.5	21.5	519	14 x 2.5	23.2	25.0	829
16 x 1	20.4	22.5	569	16 x 2.5	24.4	26.5	918
19 x 1	21.4	24.0	637	19 x 2.5	25.8	28.0	1055
24 x 1	25.1	27.5	803	24 x 2.5	30.3	32.5	1328
27 x 1	25.6	28.5	863	27 x 2.5	30.9	33.0	1443
30 x 1	26.5	29.0	930	30 x 2.5	32.0	34.5	1567
33 x 1	27.6	30.5	1012	33 x 2.5	33.4	36.0	1709
37 x 1	28.6	31.5	1099	37 x 2.5	34.6	37.0	1870

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CKJP85/NC Series,CKJP86/NC Series**150/250V**

交联聚乙烯绝缘低烟无卤船用控制电缆

XLPE insulated halogen-free low-smoke shipboard control cable

图例 **Example:****CKJP86/NC
19X2.5**型号: **CKJP85/NC**Type: **CKJP86/NC****用途 Application**

船用控制电缆可用于河海各种船舶及海上石油平台等水上建筑的电力照明和一般控制装置之用。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for control system of shipboard and off-shore building and it is also available to metallurgical industry, chemical works, power plant and mining factory.

执行标准 Standards applied

IEC 60092-376	– 设计	Design
IEC 60228 Class2	– 导体	Conductor
IEC 60092-351	– 绝缘	Insulation
IEC 60092-359	– 护套	Sheath
IEC 60332-3-22	– 阻燃	Flame Retardant
IEC 60754	– 无卤	Halogen Free
IEC 61034	– 低烟	Low Smoke

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CK	船用控制电缆 Shipboard control cable
导体 Conductor		绞合镀锡退火铜, IEC 60228 Class 2 Stranded tinned annealed copper (STC), IEC 60228 Class 2
绝缘 Insulation	J	耐火云母带+交联聚乙烯 Mica glass tape + XLPE, IEC 60092-351
单芯屏蔽 Individual screen	P	镀锡铜丝编织 Tinned copper wire braided
铠装 Armor	8	镀锡铜丝编织 Tinned copper wire braid (TCWB)
外护套 Outer sheath	5	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	6	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	NC	低烟无卤耐火 LSHF Fire resistant, IEC60331

CKJP85/NC, CKJP86/NC

芯数x截面 No. of cores x sectional area	外径 Over diam. mm		约重 Approx. weight	芯数x截面 No. of cores x sectional area	外径 Over diam. mm		约重 Approx. weight
	标称	最大			标称	最大	
No. x mm ²	Nom.	Max.	kg/km	No. x mm ²	Nom.	Max.	kg/km
2 x 0.75	10.8	12.0	155	2 x 1.5	11.9	13.0	189
3 x 0.75	11.4	13.0	191	3 x 1.5	12.6	14.0	238
4 x 0.75	12.3	14.0	228	4 x 1.5	14.3	15.5	328
5 x 0.75	14.0	15.5	305	5 x 1.5	15.7	17.0	389
7 x 0.75	15.2	17.0	381	7 x 1.5	17.0	18.5	492
10 x 0.75	19.1	21.0	529	10 x 1.5	21.7	23.5	688
12 x 0.75	19.8	22.0	598	12 x 1.5	22.4	24.0	782
14 x 0.75	20.8	23.0	673	14 x 1.5	23.6	25.5	884
16 x 0.75	22.0	24.0	750	16 x 1.5	24.9	27.0	989
19 x 0.75	23.1	25.5	857	19 x 1.5	26.3	28.0	1136
24 x 0.75	27.1	30.0	1071	24 x 1.5	30.9	33.0	1423
27 x 0.75	27.8	30.5	1170	27 x 1.5	31.6	34.0	1560
30 x 0.75	28.8	31.5	1276	30 x 1.5	32.8	35.0	1705
33 x 0.75	30.0	32.5	1385	33 x 1.5	34.2	36.5	1854
37 x 0.75	31.1	34.0	1523	37 x 1.5	36.1	38.5	2138
2 x 1	11.4	12.5	172	2 x 2.5	12.7	14.0	225
3 x 1	12.0	13.5	211	3 x 2.5	14.1	15.5	324
4 x 1	13.6	15.0	291	4 x 2.5	15.4	17.0	398
5 x 1	14.8	16.0	344	5 x 2.5	16.8	18.5	474
7 x 1	16.1	17.5	432	7 x 2.5	18.3	20.0	606
10 x 1	20.4	22.0	602	10 x 2.5	23.3	25.5	850
12 x 1	21.1	23.0	682	12 x 2.5	24.2	26.5	974
14 x 1	22.2	24.0	769	14 x 2.5	25.4	28.0	1104
16 x 1	23.5	25.5	858	16 x 2.5	26.9	29.5	1239
19 x 1	24.7	26.5	983	19 x 2.5	28.4	31.0	1429
24 x 1	29.0	31.0	1230	24 x 2.5	33.4	36.5	1793
27 x 1	29.6	32.0	1345	27 x 2.5	34.2	37.0	1971
30 x 1	30.8	33.0	1469	30 x 2.5	36.1	39.0	2254
33 x 1	32.1	34.5	1596	33 x 2.5	37.5	40.5	2450
37 x 1	33.3	35.5	1757	37 x 2.5	39.0	42.5	2702

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CKEPJ/SC Series,CKEPF/SC Series**150/250V**

乙丙橡胶绝缘低烟无卤船用控制电缆

EPR insulated halogen-free low-smoke shipboard control cable图例 **Example:****CKEPJ85/SC
19X2.5**

型号: **CKEPJ/SC**
 Type: **CKEPJ80/SC**
CKEPJ90/SC
CKEPJ85/SC
CKEPJ95/SC
CKEPF/SC
CKEPF80/SC
CKEPF90/SC
CKEPF86/SC
CKEPF96/SC

用途 Application

船用控制电缆可用于河海各种船舶及海上石油平台等水上建筑的电力照明和一般控制装置之用。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for control system of shipboard and off-shore building and it is also available to metallurgical industry, chemical works, power plant and mining factory.

执行标准 Standards applied

IEC 60092-376	– 设计	Design
IEC 60228 Class2	– 导体	Conductor
IEC 60092-351	– 绝缘	Insulation
IEC 60092-359	– 护套	Sheath
IEC 60332-3-22	– 阻燃	Flame Retardant
IEC 60754	– 无卤	Halogen Free
IEC 61034	– 低烟	Low Smoke

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CK	船用控制电缆 Shipboard control cable
导体 Conductor		绞合镀锡退火铜, IEC 60228 Class 2 Stranded tinned annealed copper (STC), IEC 60228 Class 2
绝缘 Insulation	E	乙丙橡胶 EPR, IEC 60092-351
内护套 Inner sheath	PJ	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	PF	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
铠装 Armor	8	镀锡铜丝编织 Tinned copper wire braid (TCWB)
	9	镀锌钢丝编织 Galvanized steel wire braided (GSWB)
外护套 Outer sheath	0	无外护套 Without outer sheath
	5	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	6	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	SC	低烟无卤阻燃 LSHF Flame retardant, IEC60332-3-22(CAT.A)

CKEPJ/SC, CKEPF/SC

(CKEF/SA, CHEV/SA Series参照使用)

芯数x截面 No. of cores x sectional area	CKEPJ/SC, CKEPF/SC			CKEPJ80/SC, CKEPF80/SC CKEPJ90/SC, CKEPF90/SC				CKEPJ85/SC, CKEPF86/SC CKEPJ95/SC, CKEPF96/SC			
	外径		约重	外径		约重		外径		约重	
	Over diam. mm		Approx.	Over diam. mm		Approx. weight		Over diam. mm		Approx. weight	
	标称	最大	weight	标称	最大	80系列	90系列	标称	最大	85系列	95系列
No. x mm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
2 x 0.75	7.8	8.9	66	8.9	10.0	113	108	10.8	12.0	152	146
3 x 0.75	8.2	9.4	82	9.3	10.5	133	127	11.3	12.5	173	167
4 x 0.75	9.1	10.5	104	10.2	11.5	161	154	12.2	13.5	205	198
5 x 0.75	9.8	11.5	123	10.9	12.5	184	177	12.9	14.5	231	224
7 x 0.75	10.6	12.0	155	12.2	13.5	254	242	14.3	16.0	307	296
10 x 0.75	13.4	15.0	220	15.0	16.5	344	330	17.2	19.0	412	398
12 x 0.75	13.8	16.0	250	15.4	17.5	379	365	17.7	19.5	449	435
14 x 0.75	14.7	16.5	289	16.3	18.0	427	412	18.6	20.5	502	487
16 x 0.75	15.4	17.5	322	17.0	19.0	468	452	19.3	21.5	545	529
19 x 0.75	16.2	18.5	370	17.8	20.0	524	507	20.2	22.5	606	589
24 x 0.75	19.0	21.5	467	20.6	23.0	648	629	23.1	25.5	747	728
27 x 0.75	19.6	22.0	520	21.2	23.5	709	689	23.8	26.0	811	791
30 x 0.75	20.3	22.5	568	21.9	24.0	765	744	24.5	27.0	870	849
33 x 0.75	21.0	23.5	615	22.6	25.0	820	799	25.2	27.5	929	907
37 x 0.75	21.8	24.5	677	23.4	26.0	892	869	26.1	28.5	1004	982
2 x 1	8.2	9.4	75	9.3	10.5	125	119	11.3	12.5	166	160
3 x 1	8.8	10.0	98	9.9	11.5	153	147	11.9	13.0	195	189
4 x 1	9.6	11.0	121	10.7	12.0	180	174	12.7	14.0	227	220
5 x 1	10.4	12.0	143	12.0	13.5	239	228	14.1	15.5	292	281
7 x 1	11.2	13.0	182	12.8	14.5	287	275	14.9	16.5	342	331
10 x 1	14.4	16.0	264	16.0	18.0	399	384	18.3	20.0	473	458
12 x 1	14.8	16.5	302	16.4	18.5	441	426	18.7	20.5	516	500
14 x 1	15.5	17.5	341	17.1	19.0	488	472	19.4	21.5	566	550
16 x 1	16.4	18.5	382	18.0	20.0	538	521	20.4	22.5	621	604
19 x 1	17.4	19.5	447	19.0	21.0	615	597	21.4	23.5	702	684
24 x 1	20.4	22.5	564	22.0	24.5	762	741	24.6	27.0	868	847
27 x 1	20.8	23.0	618	22.4	24.5	822	801	25.0	27.5	929	907
30 x 1	21.5	24.0	676	23.1	25.5	888	866	25.7	28.5	998	975
33 x 1	22.6	25.0	745	24.2	26.5	969	946	26.9	29.5	1086	1063
37 x 1	23.4	26.0	820	25.0	27.5	1055	1031	27.7	30.5	1175	1151
2 x 1.5	9.2	10.5	96	10.3	11.5	153	147	12.3	13.5	198	192
3 x 1.5	9.7	11.0	123	10.8	12.0	184	177	12.8	14.0	230	224
4 x 1.5	10.5	12.0	152	12.1	13.5	249	238	14.2	15.5	302	291
5 x 1.5	11.6	13.0	186	13.2	14.5	294	282	15.4	17.0	353	341
7 x 1.5	12.6	14.0	240	14.2	16.0	359	346	16.4	18.0	421	408
10 x 1.5	16.0	18.0	340	17.6	19.5	491	474	20.0	22.0	573	556
12 x 1.5	16.5	18.5	391	18.1	20.0	548	531	20.5	22.5	631	614
14 x 1.5	17.5	19.5	451	19.1	21.0	620	602	21.5	23.5	708	690
16 x 1.5	18.4	20.5	505	20.0	22.0	684	665	22.5	24.5	776	757
19 x 1.5	19.6	22.0	593	21.2	23.5	785	765	23.8	26.0	883	863
24 x 1.5	23.0	25.5	747	24.6	27.0	975	951	27.3	30.0	1095	1071
27 x 1.5	23.5	26.0	822	25.1	27.5	1058	1034	27.8	30.5	1178	1154
30 x 1.5	24.3	27.0	899	25.9	28.5	1145	1120	28.7	31.5	1270	1245
33 x 1.5	25.4	28.0	989	27.0	29.5	1249	1223	29.8	32.5	1379	1353
37 x 1.5	26.4	29.0	1092	28.0	30.5	1365	1338	30.9	33.5	1500	1473
2 x 2.5	10.0	11.5	125	11.1	12.5	187	180	13.1	14.5	236	229
3 x 2.5	10.6	12.0	164	12.2	13.5	263	252	14.3	15.5	316	305
4 x 2.5	11.7	13.0	211	13.3	15.0	320	308	15.5	17.0	379	366
5 x 2.5	12.7	14.5	253	14.3	16.0	373	359	16.5	18.0	435	422
7 x 2.5	13.8	15.5	331	15.4	17.0	464	449	17.7	19.5	530	516
10 x 2.5	17.8	20.0	477	19.4	21.5	650	632	21.9	24.0	739	721
12 x 2.5	18.4	20.5	553	20.0	22.0	734	715	22.5	24.5	824	805
14 x 2.5	19.3	21.5	630	20.9	23.0	822	803	23.4	25.5	916	896
16 x 2.5	20.5	22.5	718	22.1	24.5	924	903	24.7	27.0	1023	1002
19 x 2.5	21.6	24.0	833	23.2	25.5	1054	1031	25.9	28.5	1157	1135
24 x 2.5	25.6	28.0	1062	27.2	29.5	1327	1301	30.1	32.5	1456	1430
27 x 2.5	26.1	29.0	1172	27.7	30.5	1447	1420	30.6	33.5	1575	1548
30 x 2.5	27.1	30.0	1287	28.7	31.5	1575	1548	31.6	34.5	1708	1680
33 x 2.5	28.3	31.0	1415	29.9	32.5	1719	1691	32.9	35.5	1858	1829
37 x 2.5	29.4	32.5	1567	31.0	34.0	1887	1858	34.0	37.0	2030	2000

注：上述参数仅供参考，如需采用须经我司技术部门确认。上述任何参数修改恕不另行通知。

Note: Data above only for reference, confirmation needed by our technical department. We reserve the right to alter all information without notice.

CKEPJP/SC Series,CKEFPF/SC Series**150/250V**

乙丙橡胶绝缘低烟无卤船用控制电缆

EPR insulated halogen-free low-smoke shipboard control cable图例 **Example:****CKEFPF86/SC
19X2.5**

型号: **CKEJP/SC**
 Type: **CKEJP80/SC**
CKEJP90/SC
CKEJP85/SC
CKEJP95/SC
CKEFPF/SC
CKEFPF80/SC
CKEFPF90/SC
CKEFPF86/SC
CKEFPF96/SC

用途 Application

船用控制电缆可用于河海各种船舶及海上石油平台等水上建筑的电力照明和一般控制装置之用。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for control system of shipboard and off-shore building and it is also available to metallurgical industry, chemical works, power plant and mining factory.

执行标准 Standards applied

IEC 60092-376	– 设计	Design
IEC 60228 Class2	– 导体	Conductor
IEC 60092-351	– 绝缘	Insulation
IEC 60092-359	– 护套	Sheath
IEC 60332-3-22	– 阻燃	Flame Retardant
IEC 60754	– 无卤	Halogen Free
IEC 61034	– 低烟	Low Smoke

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CK	船用控制电缆 Shipboard control cable
导体 Conductor		绞合镀锡退火铜, IEC 60228 Class 2 Stranded tinned annealed copper (STC), IEC 60228 Class 2
绝缘 Insulation	E	乙丙橡胶 EPR, IEC 60092-351
内护套 Inner sheath	PJ	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	PF	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
单芯屏蔽 Individual screen	P	镀锡铜丝编织 Tinned copper wire braided
铠装 Armor	8	镀锡铜丝编织 Tinned copper wire braid (TCWB)
	9	镀锌钢丝编织 Galvanized steel wire braided (GSWB)
外护套 Outer sheath	0	无外护套 Without outer sheath
	5	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	6	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	SC	低烟无卤阻燃 LSHF Flame retardant, IEC60332-3-22(CAT.A)

CKEJP/SC, CKEFP/SC

(CKEFP/SA, CHEVP/SA Series参照使用)

芯数x截面 No. of cores x sectional area	CKEJP/SC, CKEFP/SC			CKEJP80/SC, CKEFP80/SC CKEJP90/SC, CKEFP90/SC				CKEJP85/SC, CKEFP86/SC CKEJP95/SC, CKEFP96/SC			
	外径		约重	外径		约重		外径		约重	
	Over diam. mm		Approx.	Over diam. mm		Approx. weight		Over diam. mm		Approx. weight	
	标称	最大	weight	标称	最大	80系列	90系列	标称	最大	85系列	95系列
No. x mm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
2 x 0.75	9.6	11.0	104	10.7	12.0	163	156	12.7	14.0	210	203
3 x 0.75	10.1	11.5	133	11.7	13.0	226	215	13.8	15.0	277	267
4 x 0.75	11.0	12.5	164	12.6	14.5	266	254	14.7	16.5	322	310
5 x 0.75	12.2	14.0	202	13.8	15.5	315	303	16.0	17.5	377	364
7 x 0.75	13.2	15.0	260	14.8	16.5	385	371	17.0	18.5	450	436
10 x 0.75	17.0	19.0	376	18.6	20.5	537	520	21.0	23.0	625	607
12 x 0.75	17.5	19.5	432	19.1	21.0	600	582	21.5	23.5	688	670
14 x 0.75	18.4	20.5	490	20.0	22.0	668	649	22.5	24.5	761	742
16 x 0.75	19.6	22.0	559	21.2	23.5	750	730	23.8	26.0	850	829
19 x 0.75	20.6	23.0	644	22.2	24.5	848	827	24.8	27.0	951	930
24 x 0.75	24.2	27.0	812	25.8	28.5	1053	1029	28.6	31.5	1181	1157
27 x 0.75	24.7	27.5	894	26.3	29.0	1143	1118	29.1	32.0	1272	1246
30 x 0.75	25.8	28.5	991	27.4	30.0	1254	1228	30.3	33.0	1389	1362
33 x 0.75	26.8	29.5	1078	28.4	31.5	1353	1325	31.3	34.5	1493	1465
37 x 0.75	28.0	31.0	1203	29.6	32.5	1494	1465	32.6	35.5	1640	1612
2 x 1	9.8	11.0	112	10.9	12.0	173	166	12.9	14.0	220	214
3 x 1	10.4	12.0	145	12.0	13.5	242	231	14.1	15.5	294	283
4 x 1	11.5	13.0	186	13.1	14.5	293	281	15.2	16.5	351	338
5 x 1	12.5	14.0	222	14.1	15.5	339	326	16.3	18.0	402	389
7 x 1	13.5	15.0	288	15.1	16.5	416	402	17.3	19.0	482	468
10 x 1	17.4	19.5	416	19.0	21.0	582	564	21.4	23.5	671	653
12 x 1	18.0	20.0	480	19.6	21.5	654	635	22.1	24.0	744	726
14 x 1	18.8	21.0	545	20.4	22.5	729	709	22.9	25.0	822	803
16 x 1	20.1	22.0	621	21.7	24.0	819	799	24.3	26.5	920	899
19 x 1	21.1	23.5	718	22.7	25.0	929	907	25.3	27.5	1033	1011
24 x 1	25.0	27.5	917	26.6	29.0	1169	1144	29.4	32.0	1299	1274
27 x 1	25.5	28.0	1009	27.1	29.5	1271	1245	29.9	32.5	1401	1375
30 x 1	26.4	29.0	1106	28.0	30.5	1379	1352	30.9	33.5	1514	1487
33 x 1	27.7	30.5	1217	29.3	32.0	1506	1478	32.3	35.0	1649	1621
37 x 1	28.7	31.5	1344	30.3	33.0	1648	1619	33.3	36.0	1795	1765
2 x 1.5	10.6	12.0	133	12.2	13.5	230	219	14.3	15.5	285	274
3 x 1.5	11.2	13.0	174	12.8	14.5	278	266	14.9	16.5	334	323
4 x 1.5	12.4	14.0	223	14.0	15.5	340	327	16.2	18.0	402	389
5 x 1.5	13.5	15.0	268	15.1	16.5	396	382	17.3	19.0	463	448
7 x 1.5	14.9	16.5	358	16.5	18.0	501	485	18.8	20.5	574	558
10 x 1.5	19.0	21.0	507	20.6	23.0	691	671	23.1	25.5	788	768
12 x 1.5	19.8	22.0	595	21.4	23.5	790	769	24.0	26.0	889	869
14 x 1.5	20.8	23.0	678	22.4	24.5	885	863	25.0	27.0	988	967
16 x 1.5	21.9	24.5	762	23.5	26.0	982	959	26.2	28.5	1091	1068
19 x 1.5	23.3	25.5	894	24.9	27.0	1132	1108	27.6	30.0	1247	1223
24 x 1.5	27.4	30.5	1127	29.0	32.0	1410	1382	31.9	35.0	1553	1525
27 x 1.5	28.2	31.0	1257	29.8	32.5	1553	1524	32.8	35.5	1698	1670
30 x 1.5	29.2	32.0	1379	30.8	33.5	1688	1659	33.8	36.5	1838	1808
33 x 1.5	30.5	33.5	1515	32.6	35.5	1928	1886	35.7	38.5	2091	2049
37 x 1.5	31.7	34.5	1676	33.8	37.0	2110	2067	37.0	40.0	2278	2235
2 x 2.5	11.8	13.0	173	13.4	15.0	282	269	15.6	17.0	342	330
3 x 2.5	12.5	14.0	229	14.1	15.5	346	333	16.3	18.0	409	396
4 x 2.5	13.6	15.0	288	15.2	17.0	417	403	17.5	19.0	484	470
5 x 2.5	15.1	17.0	355	16.7	18.5	500	484	19.0	20.5	574	558
7 x 2.5	16.4	18.5	467	18.0	20.0	628	611	20.4	22.5	707	690
10 x 2.5	21.2	23.5	673	22.8	25.0	883	861	25.4	27.5	990	968
12 x 2.5	21.9	24.5	782	23.5	26.0	1002	980	26.2	28.5	1111	1088
14 x 2.5	23.2	25.5	904	24.8	27.0	1141	1118	27.5	30.0	1255	1231
16 x 2.5	24.5	27.0	1018	26.1	28.5	1272	1247	28.9	31.5	1392	1367
19 x 2.5	26.0	28.5	1195	27.6	30.0	1470	1443	30.5	33.0	1596	1570
24 x 2.5	30.8	33.5	1521	32.9	35.5	1937	1895	36.0	39.0	2103	2060
27 x 2.5	31.5	34.5	1682	33.6	36.5	2114	2071	36.8	39.5	2280	2237
30 x 2.5	32.6	35.5	1847	34.7	38.0	2299	2255	37.9	41.0	2469	2424
33 x 2.5	34.1	37.0	2030	36.2	39.5	2507	2461	39.5	42.5	2686	2639
37 x 2.5	35.4	39.0	2249	37.5	41.0	2751	2703	40.9	44.5	2935	2887

注: 上述参数仅供参考, 如需采用须经我司技术部门确认。上述任何参数修改恕不另行通知。

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CKEPJ/NC Series,CKEPF/NC Series**150/250V**

乙丙橡胶绝缘低烟无卤船用控制电缆

EPR insulated halogen-free low-smoke shipboard control cable

图例 **Example:****CKEPJ85/NC
19X2.5**

型号: **CKEPJ/NC**
 Type: **CKEPJ80/NC**
CKEPJ90/NC
CKEPJ85/NC
CKEPJ95/NC
CKEPF/NC
CKEPF80/NC
CKEPF90/NC
CKEPF86/NC
CKEPF96/NC

用途 Application

船用控制电缆可用于河海各种船舶及海上石油平台等水上建筑的电力照明和一般控制装置之用。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for control system of shipboard and off-shore building and it is also available to metallurgical industry, chemical works, power plant and mining factory.

执行标准 Standards applied

IEC 60092-376	– 设计	Design
IEC 60228 Class2	– 导体	Conductor
IEC 60092-351	– 绝缘	Insulation
IEC 60092-359	– 护套	Sheath
IEC 60331	– 耐火	Fire Resistant
IEC 60332-3-22	– 阻燃	Flame Retardant
IEC 60754	– 无卤	Halogen Free
IEC 61034	– 低烟	Low Smoke

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CK	船用控制电缆 Shipboard control cable
导体 Conductor		绞合镀锡退火铜, IEC 60228 Class 2 Stranded tinned annealed copper (STC), IEC 60228 Class 2
绝缘 Insulation	E	耐火云母带+乙丙橡胶 Mica glass tape + EPR, IEC 60092-351
内护套 Inner sheath	PJ	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	PF	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
铠装 Armor	8	镀锡铜丝编织 Tinned copper wire braid (TCWB)
	9	镀锌钢丝编织 Galvanized steel wire braided (GSWB)
外护套 Outer sheath	0	无外护套 Without outer sheath
	5	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	6	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	NC	低烟无卤耐火 LSHF Fire resistant, IEC60331

CKEPJ/NC, CKEPF/NC

(CKEF/NA, CHEV/NA Series参照使用)

芯数x截面 No. of cores x sectional area	CKEPJ/NC, CKEPF/NC			CKEPJ80/NC, CKEPF80/NC CKEPJ90/NC, CKEPF90/NC				CKEPJ85/NC, CKEPF86/NC CKEPJ95/NC, CKEPF96/NC			
	外径		约重	外径		约重		外径		约重	
	Over diam. mm		Approx.	Over diam. mm		Approx. weight		Over diam. mm		Approx. weight	
	标称 Nom.	最大 Max.	weight kg/km	标称 Nom.	最大 Max.	80系列 kg/km	90系列 kg/km	标称 Nom.	最大 Max.	85系列 kg/km	95系列 kg/km
No. x mm ²											
2 x 0.75	9.2	10.5	85	10.3	11.5	141	135	12.3	13.5	187	181
3 x 0.75	9.7	11.0	107	10.8	12.0	166	160	12.8	14.0	214	207
4 x 0.75	10.5	12.0	130	12.1	13.5	226	215	14.2	15.5	280	269
5 x 0.75	11.6	13.0	159	13.2	14.5	265	253	15.4	17.0	325	313
7 x 0.75	12.6	14.0	201	14.2	16.0	318	305	16.4	18.0	382	369
10 x 0.75	16.0	18.0	284	17.6	19.5	433	416	20.0	22.0	517	501
12 x 0.75	16.5	18.5	324	18.1	20.0	478	461	20.5	22.5	565	548
14 x 0.75	17.5	19.5	374	19.1	21.0	539	521	21.5	23.5	630	612
16 x 0.75	18.4	20.5	417	20.0	22.0	591	572	22.5	24.5	688	669
19 x 0.75	19.6	22.0	487	21.2	23.5	675	655	23.8	26.0	778	758
24 x 0.75	23.0	25.5	614	24.6	27.0	835	812	27.3	30.0	962	938
27 x 0.75	23.5	26.0	672	25.1	27.5	900	876	27.8	30.5	1028	1004
30 x 0.75	24.3	27.0	733	25.9	28.5	971	946	28.7	31.5	1104	1079
33 x 0.75	25.4	28.0	806	27.0	29.5	1057	1031	29.8	32.5	1196	1170
37 x 0.75	26.4	29.0	887	28.0	30.5	1150	1123	30.9	33.5	1295	1268
2 x 1	9.6	11.0	95	10.7	12.0	154	147	12.7	14.0	201	194
3 x 1	10.1	11.5	120	11.7	13.0	212	201	13.8	15.0	265	254
4 x 1	11.0	12.5	147	12.6	14.5	248	236	14.7	16.5	305	293
5 x 1	12.2	14.0	180	13.8	15.5	293	280	16.0	17.5	356	343
7 x 1	13.2	15.0	230	14.8	16.5	353	340	17.0	18.5	420	406
10 x 1	17.0	19.0	334	18.6	20.5	492	475	21.0	23.0	582	564
12 x 1	17.5	19.5	381	19.1	21.0	546	528	21.5	23.5	637	619
14 x 1	18.4	20.5	431	20.0	22.0	606	587	22.5	24.5	702	683
16 x 1	19.6	22.0	490	21.2	23.5	678	658	23.8	26.0	781	761
19 x 1	20.6	23.0	563	22.2	24.5	762	741	24.8	27.0	870	849
24 x 1	24.2	27.0	710	25.8	28.5	945	921	28.6	31.5	1079	1054
27 x 1	24.7	27.5	779	26.3	29.0	1022	997	29.1	32.0	1156	1131
30 x 1	25.8	28.5	863	27.4	30.0	1119	1093	30.3	33.0	1260	1234
33 x 1	26.8	29.5	936	28.4	31.5	1205	1177	31.3	34.5	1352	1324
37 x 1	28.0	31.0	1044	29.6	32.5	1328	1299	32.6	35.5	1482	1453
2 x 1.5	10.4	12.0	114	12.0	13.5	209	198	14.1	15.5	263	252
3 x 1.5	11.0	12.5	146	12.6	14.0	247	236	14.7	16.0	304	292
4 x 1.5	12.2	13.5	187	13.8	15.0	299	287	16.0	17.5	362	349
5 x 1.5	13.3	15.0	223	14.9	16.5	346	332	17.1	18.5	414	400
7 x 1.5	14.6	16.5	294	16.2	18.0	431	416	18.5	20.0	505	490
10 x 1.5	18.6	20.5	415	20.2	22.0	591	572	22.7	24.5	690	670
12 x 1.5	19.2	21.5	477	20.8	23.0	661	641	23.3	25.5	761	741
14 x 1.5	20.4	22.5	551	22.0	24.0	748	727	24.6	26.5	855	834
16 x 1.5	21.5	23.5	617	23.1	25.0	826	804	25.7	28.0	939	917
19 x 1.5	22.8	25.0	722	24.4	26.5	947	923	27.1	29.5	1066	1043
24 x 1.5	26.8	29.5	909	28.4	31.0	1176	1149	31.3	34.0	1325	1297
27 x 1.5	27.4	30.5	1000	29.0	32.0	1276	1248	31.9	35.0	1426	1398
30 x 1.5	28.6	31.5	1108	30.2	33.0	1399	1370	33.2	36.0	1556	1527
33 x 1.5	29.7	32.5	1204	31.3	34.0	1509	1478	34.4	37.5	1673	1643
37 x 1.5	31.0	34.0	1342	33.1	36.0	1752	1709	36.2	39.0	1928	1886
2 x 2.5	11.2	13.0	144	12.8	14.5	246	235	14.9	16.5	304	292
3 x 2.5	12.1	13.5	195	13.7	15.0	307	294	15.9	17.5	368	356
4 x 2.5	13.2	14.5	243	14.8	16.5	367	353	17.0	18.5	433	419
5 x 2.5	14.5	16.0	298	16.1	18.0	435	420	18.4	20.0	507	492
7 x 2.5	15.8	17.5	389	17.4	19.0	541	524	19.8	21.5	619	602
10 x 2.5	20.4	22.5	561	22.0	24.0	758	737	24.6	26.5	864	843
12 x 2.5	21.1	23.0	648	22.7	25.0	856	834	25.3	27.5	963	942
14 x 2.5	22.3	24.5	748	23.9	26.0	970	947	26.6	29.0	1084	1061
16 x 2.5	23.5	26.0	840	25.1	27.5	1076	1052	27.8	30.0	1196	1172
19 x 2.5	25.0	27.5	985	26.6	29.0	1241	1215	29.4	32.0	1368	1342
24 x 2.5	29.4	32.0	1241	31.0	33.5	1545	1515	34.0	37.0	1704	1674
27 x 2.5	30.0	33.0	1369	31.6	34.5	1684	1654	34.7	37.5	1844	1813
30 x 2.5	31.3	34.0	1516	33.4	36.5	1938	1895	36.6	39.5	2109	2067
33 x 2.5	32.5	35.5	1650	34.6	38.0	2092	2047	37.8	41.0	2270	2226
37 x 2.5	34.0	37.0	1842	36.1	39.0	2309	2263	39.4	42.5	2496	2449

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CKEPJP/NC Series,CKEPFP/NC Series**150/250V**

乙丙橡胶绝缘低烟无卤船用控制电缆

EPR insulated halogen-free low-smoke shipboard control cable图例 **Example:****CKEPFP86/NC
19X2.5**

型号: **CKEPJP/NC**
 Type: **CKEPJP80/NC**
CKEPJP90/NC
CKEPJP85/NC
CKEPJP95/NC
CKEPFP/NC
CKEPFP80/NC
CKEPFP90/NC
CKEPFP86/NC
CKEPFP96/NC

用途 Application

船用控制电缆可用于河海各种船舶及海上石油平台等水上建筑的电力照明和一般控制装置之用。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for control system of shipboard and off-shore building and it is also available to metallurgical industry, chemical works, power plant and mining factory.

执行标准 Standards applied

IEC 60092-376	– 设计	Design
IEC 60228 Class2	– 导体	Conductor
IEC 60092-351	– 绝缘	Insulation
IEC 60092-359	– 护套	Sheath
IEC 60331	– 耐火	Fire Resistant
IEC 60332-3-22	– 阻燃	Flame Retardant
IEC 60754	– 无卤	Halogen Free
IEC 61034	– 低烟	Low Smoke

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CK	船用控制电缆 Shipboard control cable
导体 Conductor		绞合镀锡退火铜, IEC 60228 Class 2 Stranded tinned annealed copper (STC), IEC 60228 Class 2
绝缘 Insulation	E	耐火云母带+乙丙橡胶 Mica glass tape + EPR, IEC 60092-351
内护套 Inner sheath	PJ	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	PF	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
单芯屏蔽 Individual screen	P	镀锡铜丝编织 Tinned copper wire braided
铠装 Armor	8	镀锡铜丝编织 Tinned copper wire braid (TCWB)
	9	镀锌钢丝编织 Galvanized steel wire braided (GSWB)
外护套 Outer sheath	0	无外护套 Without outer sheath
	5	无卤阻燃热固性材料 Halogen-free flame retardant thermoset compound (SHF2)
	6	无卤阻燃热塑性材料 Halogen-free flame retardant thermoplastic compound (SHF1)
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	NC	低烟无卤耐火 LSHF Fire resistant, IEC60331

CKEPJP/NC, CKEPFP/NC

(CKEFP/NA, CHEVP/NA Series参照使用)

芯数x截面 No. of cores x sectional area	CKEPJP/NC, CKEPFP/NC			CKEPJP80/NC, CKEPFP80/NC CKEPJP90/NC, CKEPFP90/NC				CKEPJP85/NC, CKEPFP86/NC CKEPJP95/NC, CKEPFP96/NC			
	外径		约重	外径		约重		外径		约重	
	Over diam. mm		Approx.	Over diam. mm		Approx. weight		Over diam. mm		Approx. weight	
	标称	最大	weight	标称	最大	80系列	90系列	标称	最大	85系列	95系列
No. x mm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
2 x 0.75	10.8	12.0	132	12.4	14.0	231	219	14.5	16.0	287	275
3 x 0.75	11.6	13.0	177	13.2	14.5	284	272	15.4	17.0	344	331
4 x 0.75	12.7	14.0	221	14.3	16.0	339	326	16.5	18.0	403	390
5 x 0.75	13.8	15.5	264	15.4	17.0	394	380	17.7	19.5	464	449
7 x 0.75	15.2	17.0	352	16.8	18.5	497	481	19.1	21.0	572	556
10 x 0.75	19.6	21.5	507	21.2	23.0	696	675	23.8	26.0	798	778
12 x 0.75	20.2	22.5	584	21.8	24.0	781	761	24.4	26.5	885	864
14 x 0.75	21.2	23.5	665	22.8	25.0	874	852	25.4	27.5	982	960
16 x 0.75	22.6	25.0	757	24.2	26.5	982	959	26.9	29.0	1098	1075
19 x 0.75	23.8	26.0	876	25.4	27.5	1117	1092	28.2	30.5	1238	1213
24 x 0.75	28.2	31.0	1117	29.8	32.5	1405	1376	32.8	35.5	1558	1529
27 x 0.75	28.8	31.5	1231	30.4	33.0	1530	1500	33.4	36.0	1683	1653
30 x 0.75	29.8	33.0	1349	31.4	34.5	1662	1631	34.5	37.5	1820	1789
33 x 0.75	31.2	34.0	1483	33.3	36.0	1902	1859	36.5	39.5	2074	2031
37 x 0.75	32.4	35.5	1639	34.5	37.5	2079	2034	37.7	41.0	2257	2212
2 x 1	11.0	12.5	141	12.6	14.0	241	230	14.7	16.0	298	287
3 x 1	11.9	13.5	190	13.5	15.0	301	289	15.7	17.0	361	349
4 x 1	12.9	14.5	237	14.5	16.0	358	345	16.7	18.5	423	409
5 x 1	14.3	16.0	292	15.9	17.5	427	412	18.2	19.5	498	484
7 x 1	15.5	17.0	380	17.1	19.0	529	513	19.4	21.0	605	589
10 x 1	20.0	22.0	548	21.6	23.5	742	721	24.2	26.0	846	825
12 x 1	20.7	23.0	634	22.3	24.5	837	816	24.9	27.0	943	921
14 x 1	21.7	24.0	722	23.3	25.5	938	916	26.0	28.5	1048	1025
16 x 1	23.1	25.5	822	24.7	27.0	1054	1031	27.4	29.5	1171	1148
19 x 1	24.3	27.0	952	25.9	28.5	1201	1176	28.7	31.5	1323	1298
24 x 1	28.8	31.5	1213	30.4	33.0	1512	1482	33.4	36.0	1665	1636
27 x 1	29.4	32.0	1339	31.0	33.5	1648	1618	34.0	37.0	1802	1772
30 x 1	30.7	33.5	1483	32.8	35.5	1896	1854	35.9	39.0	2063	2021
33 x 1	31.9	35.0	1615	34.0	37.0	2048	2004	37.2	40.0	2221	2178
37 x 1	33.3	36.5	1802	35.4	38.5	2259	2214	38.7	42.0	2440	2394
2 x 1.5	12.0	13.5	169	13.6	15.0	279	266	15.8	17.0	341	328
3 x 1.5	12.7	14.0	222	14.3	16.0	340	327	16.5	18.0	404	391
4 x 1.5	13.9	15.5	278	15.5	17.0	410	395	17.8	19.5	479	465
5 x 1.5	15.4	17.0	343	17.0	18.5	489	473	19.3	21.0	566	550
7 x 1.5	16.9	18.5	457	18.5	20.5	621	604	20.9	22.5	704	686
10 x 1.5	21.6	24.0	647	23.2	25.5	859	837	25.9	28.0	972	949
12 x 1.5	22.5	24.5	760	24.1	26.5	985	962	26.8	29.0	1100	1077
14 x 1.5	23.6	26.0	867	25.2	27.5	1106	1082	28.0	30.5	1226	1201
16 x 1.5	25.2	27.5	988	26.8	29.0	1245	1220	29.6	32.0	1374	1348
19 x 1.5	26.5	29.0	1145	28.1	30.5	1421	1394	31.0	33.5	1555	1528
24 x 1.5	31.4	34.0	1457	33.5	36.5	1877	1834	36.7	39.5	2053	2010
27 x 1.5	32.1	35.0	1610	34.2	37.0	2044	2001	37.4	40.5	2220	2177
30 x 1.5	33.4	36.5	1781	35.5	38.5	2239	2193	38.8	42.0	2422	2376
33 x 1.5	34.8	38.0	1942	36.9	40.0	2422	2375	40.2	43.5	2613	2566
37 x 1.5	36.3	39.5	2166	38.4	41.5	2674	2624	41.8	45.0	2872	2823
2 x 2.5	13.0	14.5	205	14.6	16.0	325	311	16.8	18.5	392	378
3 x 2.5	13.8	15.5	274	15.4	17.0	404	389	17.7	19.5	473	458
4 x 2.5	15.3	17.0	353	16.9	18.5	499	483	19.2	21.0	575	559
5 x 2.5	16.9	18.5	434	18.5	20.5	597	580	20.9	22.5	681	663
7 x 2.5	18.4	20.5	572	20.0	22.0	754	735	22.5	24.5	843	824
10 x 2.5	23.8	26.0	823	25.4	27.5	1061	1037	28.2	30.5	1185	1160
12 x 2.5	24.6	27.0	956	26.2	28.5	1208	1182	29.0	31.5	1332	1307
14 x 2.5	26.1	28.5	1106	27.7	30.0	1377	1350	30.6	33.0	1509	1482
16 x 2.5	27.7	30.5	1258	29.3	32.0	1549	1521	32.3	35.0	1690	1662
19 x 2.5	29.2	32.0	1462	30.8	33.5	1776	1746	33.8	36.5	1922	1892
24 x 2.5	34.6	37.5	1858	36.7	39.5	2332	2285	40.0	43.0	2525	2478
27 x 2.5	35.4	38.5	2056	37.5	41.0	2549	2501	40.9	44.0	2742	2694
30 x 2.5	36.9	40.0	2277	39.0	42.0	2797	2746	42.4	45.5	2997	2947
33 x 2.5	38.5	42.0	2500	40.6	44.0	3048	2996	44.1	47.5	3257	3205
37 x 2.5	40.0	43.5	2770	42.1	45.5	3348	3293	45.7	49.0	3564	3509

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