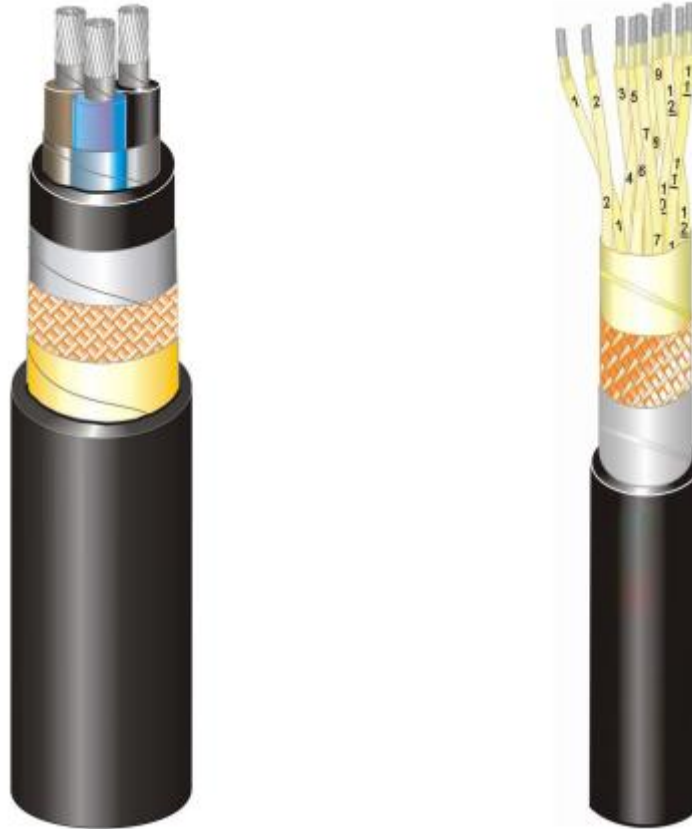




Flame Retardant Shipboard Control Cable



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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 Over diam. mm		约重 Approx. weight kg/km	外径 Over diam. mm		约重 Approx. weight kg/km		外径 Over diam. mm		约重 Approx. weight kg/km	
	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
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

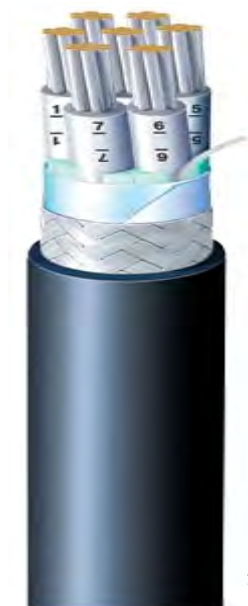
芯数x截面 No. of cores x sectional area	外径 Over diam. mm		约重 Approx. weight	芯数x截面 No. of cores x sectional area	外径 Over diam. mm		约重 Approx. weight
	标称	最大			标称	最大	
No. x mm ²	Nom.	Max.	kg/km	No. x mm ²	Nom.	Max.	kg/km
2 x 0.75	8.3	9.4	93	2 x 1.5	9.4	10.5	133
3 x 0.75	8.7	9.8	109	3 x 1.5	9.9	11.5	159
4 x 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。

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

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:****CKJP86/SC
19X2.5**型号: **CKJP85/SC**Type: **CKJP86/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
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

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/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 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	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。

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CKEPJP/SC Series,CKEPFP/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:****CKEPFP86/SC
19X2.5**

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

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