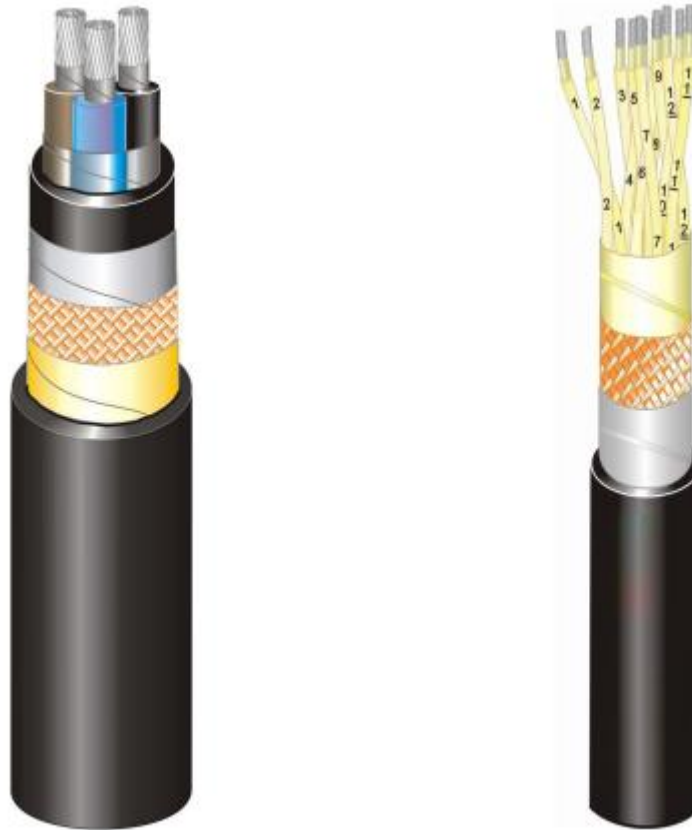




Flame Retardant Shipboard Power Cable



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CEPJ/SC Series, CEPF/SC Series**0.6/1kV**

乙丙橡胶绝缘低烟无卤电力电缆

EPR insulated halogen-free low-smoke shipboard power cable图例 **Example:****CEPJ85/SC
3X120**

型号: **CEPJ/SC**
Type: **CEPJ80/SC**
CEPJ90/SC
CEPJ85/SC
CEPJ95/SC

CEPF/SC
CEPF80/SC
CEPF90/SC
CEPF86/SC
CEPF96/SC

用途 Application

船用电力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 power lighting and control system of shipboard and off-shore building such as oil platform. It is also available to metallurgical industry, chemical works, power plant and corporation mining etc.

结构 Construction**执行标准 Standards applied**

IEC 60092-353	– 设计	Design
IEC 60228 Class 2	– 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

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	C	船用电力电缆 Shipboard power 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)

CEV/SA Series, CEF/SA Series**0.6/1kV**

乙丙橡胶绝缘电力电缆

EPR insulated shipboard power cable

图例 **Example:****CEV82/SA
3X120**型号: **CEV/SA**Type: **CEV80/SA****CEV90/SA****CEV82/SA****CEV92/SA****CEF/SA****CEF80/SA****CEF90/SA****CEF82/SA****CEF92/SA****用途 Application**

船用电力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 power lighting and control system of shipboard and off-shore building such as oil platform. It is also available to metallurgical industry, chemical works, power plant and corporation mining etc

结构 Construction**执行标准 Standards applied**

IEC 60092-353	– 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

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	C	船用电力电缆 Shipboard power 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	F	氯丁橡胶 PCP
	V	聚氯乙烯 PVC
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
	2	聚氯乙烯 PVC
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	SA	阻燃 Flame retardant, IEC60332-3-22(CAT.A)

CEPJ/SC, CEPF/SC Series

芯数x截面 No. of cores x sectional area	CEPJ/SC, CEPF/SC			CEPJ80/SC, CEPF80/SC CEPJ90/SC, CEPF90/SC				CEPJ85/SC, CEPF86/SC CEPJ95/SC, CEPF96/SC			
	外径 Over diam. mm		约重 Approx. weight	外径 Over diam. mm		约重 Approx. weight		外径 Over diam. mm		约重 Approx. weight	
	标称	最大		标称	最大	80系列	90系列	标称	最大	85系列	95系列
	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1 x 1	5.5	6.4	45	6.5	7.4	80	76	8.5	9.6	118	114
1 x 1.5	5.8	6.6	55	6.8	7.8	93	89	8.8	9.8	135	130
1 x 2.5	6.2	7.2	70	7.2	8.2	111	107	9.2	10.5	154	149
1 x 4	6.8	7.6	90	7.8	8.6	135	130	9.8	11.0	180	174
1 x 6	7.3	8.2	115	8.3	9.4	164	159	10.3	11.5	209	204
1 x 10	8.5	9.6	169	9.5	10.5	228	221	11.3	12.5	274	268
1 x 16	9.5	11.0	237	10.5	12.0	304	297	12.5	14.0	355	348
1 x 25	11.4	13.0	358	12.9	14.5	476	464	14.9	16.5	532	519
1 x 35	12.7	14.0	469	14.2	15.5	603	589	16.4	18.0	668	654
1 x 50	14.5	16.0	624	16.0	17.5	780	765	18.2	20.0	848	833
1 x 70	16.3	18.0	862	17.8	20.0	1046	1029	20.0	22.0	1121	1104
1 x 95	18.8	21.0	1164	20.3	22.5	1382	1362	22.7	25.0	1458	1438
1 x 120	20.6	22.5	1441	22.1	24.0	1688	1666	24.7	27.0	1769	1748
1 x 150	22.8	24.5	1764	24.3	26.5	2044	2021	26.9	29.0	2125	2102
1 x 185	25.2	27.5	2194	26.7	29.0	2515	2489	29.5	32.0	2606	2580
1 x 240	28.5	30.5	2848	30.0	32.0	3229	3199	33.0	35.5	3321	3292
1 x 300	31.5	33.5	3540	33.5	36.0	4069	4026	36.5	39.0	4172	4128
2 x 1	9.0	10.5	90	10.0	11.5	147	141	12.0	13.5	203	197
2 x 1.5	9.6	11.0	106	10.6	12.0	167	160	12.6	14.0	224	217
2 x 2.5	10.4	12.0	135	11.9	13.5	234	222	13.9	15.5	296	285
2 x 4	11.8	13.0	181	13.3	14.5	293	281	15.3	16.5	359	346
2 x 6	12.8	14.5	231	14.3	16.0	354	340	16.5	18.0	431	417
2 x 10	15.0	16.5	340	16.5	18.0	486	470	18.7	20.5	570	554
2 x 16	17.2	19.0	486	18.7	20.5	657	639	21.1	23.0	756	738
2 x 25	20.8	23.0	730	22.3	24.5	943	921	24.9	27.0	1063	1041
2 x 35	23.6	25.5	966	25.1	27.0	1213	1188	27.7	30.0	1340	1315
2 x 50	27.0	29.5	1281	28.5	31.0	1571	1543	31.3	34.0	1721	1693
2 x 70	31.0	33.5	1774	33.0	35.5	2210	2167	36.0	39.0	2384	2341
2 x 95	36.0	39.0	2421	38.0	41.0	2943	2893	41.4	45.0	3161	3112
2 x 120	39.4	42.5	2983	41.4	44.5	3569	3515	44.8	48.0	3788	3734
2 x 1+E	9.5	11.0	114	10.5	12.0	175	168	12.5	14.0	232	225
2 x 1.5+E	10.2	11.5	136	11.7	13.0	233	222	13.7	15.0	294	282
2 x 2.5+E	11.2	12.5	183	12.7	14.5	291	279	14.7	16.5	355	343
2 x 4+E	12.5	14.0	242	14.0	15.5	363	350	16.2	17.5	436	423
2 x 6+E	13.6	15.5	320	15.1	17.0	456	441	17.3	19.0	533	518
2 x 10+E	16.0	17.5	468	17.5	19.0	629	612	19.7	21.5	721	704
2 x 16+E	18.3	20.5	677	19.8	22.0	867	847	22.2	24.5	965	945
3 x 25+E	23.7	26.0	933	25.2	27.5	1178	1154	27.8	30.5	1131	1107
3 x 35+E	27.5	30.0	1293	29.0	31.5	1587	1559	31.8	34.5	1523	1494
3 x 50+E	30.6	33.0	1607	32.6	35.5	2028	1986	35.6	38.5	1948	1906
3 x 70+E	34.8	37.5	2196	36.8	39.5	2692	2645	40.0	43.0	2583	2535
3 x 95+E	40.4	44.0	2989	42.4	46.0	3584	3529	46.0	50.0	3434	3379
3 x 120+E	44.7	48.0	3799	46.7	50.0	4482	4421	50.5	54.0	4292	4231
3 x 1	9.5	11.0	114	10.5	12.0	175	168	12.5	14.0	232	225
3 x 1.5	10.2	11.5	136	11.7	13.0	233	222	13.7	15.0	294	282
3 x 2.5	11.2	12.5	183	12.7	14.5	291	279	14.7	16.5	355	343
3 x 4	12.5	14.0	242	14.0	15.5	363	350	16.2	17.5	436	423
3 x 6	13.6	15.5	320	15.1	17.0	456	441	17.3	19.0	533	518
3 x 10	16.0	17.5	468	17.5	19.0	629	612	19.7	21.5	721	704
3 x 16	18.3	20.5	677	19.8	22.0	867	847	22.2	24.5	965	945
3 x 25	22.4	24.5	1039	23.9	26.0	1280	1257	26.5	29.0	1397	1374
3 x 35	25.4	27.5	1381	26.9	29.0	1663	1637	29.7	32.0	1795	1769
3 x 50	29.1	31.5	1838	30.6	33.0	2173	2143	33.6	36.5	2327	2297
3 x 70	33.4	36.0	2555	35.4	38.0	3055	3009	38.6	41.5	3226	3180
3 x 95	38.7	42.0	3493	40.7	44.0	4097	4044	44.1	47.5	4287	4233
3 x 120	42.4	45.5	4317	44.4	47.5	5002	4944	48.0	51.5	5204	5146
3 x 150	47.1	50.5	5299	49.1	52.5	6084	6020	52.9	56.5	6302	6238
3 x 185	52.3	56.0	6605	54.3	58.5	7511	7440	58.5	62.5	7771	7700

CEPJ/SC, CEPF/SC Series

芯数x截面 No. of cores x sectional area	CEPJ/SC, CEPF/SC			CEPJ80/SC, CEPF80/SC CEPJ90/SC, CEPF90/SC				CEPJ85/SC, CEPF86/SC CEPJ95/SC, CEPF96/SC			
	外径 Over diam. mm		约重 Approx. weight	外径 Over diam. mm		约重 Approx. weight		外径 Over diam. mm		约重 Approx. weight	
	标称	最大		标称	最大	80系列	90系列	标称	最大	85系列	95系列
	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
4 x 1	10.4	12.0	135	11.9	13.5	231	220	13.9	15.5	291	280
4 x 1.5	11.3	13.0	168	12.8	14.5	273	261	14.8	16.5	336	324
4 x 2.5	12.3	14.0	223	13.8	15.5	338	325	15.8	17.5	403	390
4 x 4	13.9	15.0	304	15.4	17.0	436	422	17.6	19.0	512	498
4 x 6	15.1	17.0	398	16.6	18.5	545	529	18.8	20.5	624	608
4 x 10	17.8	19.5	600	19.3	21.0	779	760	21.7	23.5	872	854
4 x 16	20.4	22.5	874	21.9	24.0	1087	1066	24.3	26.5	1183	1162
4 x 25	24.9	27.5	1345	26.4	29.0	1618	1593	29.2	32.0	1749	1723
4 x 35	28.2	30.5	1793	29.7	32.0	2115	2087	32.5	35.0	2243	2214
4 x 50	32.3	35.5	2393	34.3	37.5	2869	2825	37.5	41.0	3040	2996
4 x 70	37.1	40.0	3334	39.1	42.0	3909	3858	42.5	46.0	4090	4039
4 x 95	43.0	47.0	4566	45.0	49.0	5266	5208	48.6	52.5	5459	5401
4 x 120	47.3	51.0	5673	49.3	53.0	6475	6411	53.1	57.0	6674	6610
4 x 150	52.5	56.0	6964	54.5	58.0	7886	7815	58.7	62.5	8123	8052
5 x 1	11.5	13.0	172	13.0	14.5	282	269	15.0	16.5	347	334
7 x 1	12.5	14.0	220	14.0	15.5	340	327	16.2	18.0	417	404
10 x 1	16.0	18.0	311	17.5	19.5	464	447	19.7	22.0	567	550
12 x 1	16.7	18.5	364	18.2	20.0	525	508	20.6	22.5	628	610
14 x 1	17.6	19.5	412	19.1	21.0	583	564	21.5	23.5	689	670
16 x 1	18.5	20.5	460	20.0	22.0	641	621	22.4	24.5	752	733
19 x 1	19.7	22.0	539	21.2	23.5	733	712	23.6	26.0	847	826
24 x 1	23.2	25.5	680	24.7	27.0	909	885	27.3	30.0	1051	1026
27 x 1	23.7	26.0	746	25.2	27.5	983	958	27.8	30.5	1124	1099
30 x 1	24.8	27.5	827	26.3	29.0	1077	1051	29.1	32.0	1237	1211
33 x 1	25.7	28.5	898	27.2	30.0	1159	1132	30.0	33.0	1321	1294
37 x 1	26.7	29.5	989	28.2	31.0	1262	1235	31.0	34.0	1427	1399
5 x 1.5	12.3	14.0	207	13.8	15.5	325	312	15.8	17.5	400	387
7 x 1.5	13.4	15.0	268	14.9	17.0	398	383	17.1	19.0	477	463
10 x 1.5	17.4	19.5	388	18.9	21.0	556	538	21.3	23.5	663	644
12 x 1.5	18.0	20.0	446	19.5	21.5	622	603	21.9	24.0	728	709
14 x 1.5	18.9	21.0	506	20.4	22.5	692	672	22.8	25.0	801	781
16 x 1.5	20.1	22.5	576	21.6	24.0	775	754	24.0	26.5	901	880
19 x 1.5	21.2	23.5	665	22.7	25.0	878	855	25.3	27.5	1007	985
24 x 1.5	25.2	27.5	850	26.7	29.5	1104	1078	29.5	32.5	1263	1237
27 x 1.5	25.7	28.5	935	27.2	30.0	1197	1171	30.0	33.0	1358	1331
30 x 1.5	26.7	29.5	1024	28.2	31.0	1299	1271	31.0	34.0	1461	1434
33 x 1.5	27.9	30.5	1126	29.4	32.5	1416	1387	32.2	35.0	1579	1551
37 x 1.5	29.0	32.0	1243	30.5	33.5	1547	1518	33.5	36.5	1731	1701
5 x 2.5	13.4	15.0	275	14.9	17.0	405	391	17.1	19.0	485	470
7 x 2.5	14.8	16.5	368	16.3	18.0	514	498	18.5	20.5	596	580
10 x 2.5	19.0	21.0	530	20.5	23.0	720	700	22.9	25.5	828	808
12 x 2.5	19.8	22.0	612	21.3	23.5	811	790	23.7	26.0	921	900
14 x 2.5	20.8	23.0	698	22.3	24.5	909	887	24.9	27.5	1031	1010
16 x 2.5	22.2	24.5	796	23.7	26.0	1023	1000	26.3	29.0	1149	1126
19 x 2.5	23.4	25.5	922	24.9	27.5	1165	1141	27.5	30.0	1295	1270
24 x 2.5	27.8	30.5	1176	29.3	32.0	1467	1439	32.1	35.0	1629	1600
27 x 2.5	28.4	31.0	1298	29.9	32.5	1600	1571	32.7	35.5	1774	1745
30 x 2.5	29.4	32.5	1424	30.9	34.0	1741	1710	33.9	37.0	1919	1888
33 x 2.5	30.8	33.5	1566	32.8	36.0	1989	1946	35.8	39.0	2174	2131
37 x 2.5	32.0	35.0	1733	34.0	37.5	2177	2133	37.2	40.5	2382	2337

注: a) CEV, CEF阻燃系列电缆参照上述数据使用

b) 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: a) Data above can be used for CEV and CEF flame retardant series cable.

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

CEPJR/SC Series, CEPFR/SC Series**0.6/1kV**

乙丙橡胶绝缘电力软电缆

EPR insulated shipboard power flexible cable

图例 **Example:****CEPFR/SC
4X70**型号: **CEPJR/SC**Type: **CEPJR80/SC****CEPJR90/SC****CEPJR85/SC****CEPJR95/SC****CEPFR/SC****CEPFR80/SC****CEPFR90/SC****CEPFR86/SC****CEPFR96/SC****用途 Application**

船用电力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 power lighting and control system of shipboard and off-shore building such as oil platform. It is also available to metallurgical industry, chemical works, power plant and corporation mining etc.

结构 Construction**执行标准 Standards applied**

IEC 60092-353	– 设计	Design
IEC 60228 Class 5	– 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

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	C	船用电力电缆 Shipboard power cable
导体 Conductor		绞合软镀锡退火铜, IEC 60228 Class 5 Stranded tinned annealed copper (STC), IEC 60228 Class 5
绝缘 Insulation	E	乙丙橡胶 EPR, IEC 60092-351
护套 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)
结构 Construction	R	软结构导体 Flexible copper conductor
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)

CEFR/SA Series,CEVR/SA Series**0.6/1kV**

乙丙橡胶绝缘电力软电缆

EPR insulated shipboard power flexible cable图例 **Example:****CEFR/SA
3X120**型号: **CEVR/SA****Type: CEVR80/SA****CEVR90/SA****CEVR82/SA****CEVR92/SA****CEFR/SA****CEFR80/SA****CEFR90/SA****CEFR82/SA****CEFR92/SA****用途 Application**

船用电力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 power lighting and control system of shipboard and off-shore building such as oil platform. It is also available to metallurgical industry, chemical works, power plant and corporation mining etc

结构 Construction**执行标准 Standards applied**

IEC 60092-353	– 设计	Design
IEC 60228 Class 5	– 导体	Conductor
IEC 60092-351	– 绝缘	Insulation
IEC 60092-359	– 护套	Sheath
IEC 60332-3-22	– 阻燃	Flame Retardant

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	C	船用电力电缆 Shipboard power cable
导体 Conductor		绞合软镀锡退火铜, IEC 60228 Class 5 Stranded tinned annealed copper (STC), IEC 60228 Class 5
绝缘 Insulation	E	乙丙橡胶 EPR, IEC 60092-351
成缆 Laying up		线芯绞合成缆 Cores are laid up together
护套 Inner sheath	F	氯丁橡胶 PCP
	V	聚氯乙烯 PVC
结构 Construction	R	软结构导体 Flexible copper conductor
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
	2	聚氯乙烯 PVC
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	SA	阻燃 Flame retardant, IEC60332-3-22(CAT.A)

CEPJR/SC, CEPFR/SC Series

芯数x截面 No. of cores x sectional area No. x mm ²	CEPJR/SC, CEPFR/SC			CEPJR80/SC, CEPFR80/SC CEPJR90/SC, CEPFR90/SC				CEPJR85/SC, CEPFR86/SC CEPJR95/SC, CEPFR96/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
1 x 1	5.7	6.6	45	6.8	7.6	80	76	8.9	9.8	114	110
1 x 1.5	6.2	7.2	55	7.3	8.2	93	89	9.4	10.5	130	125
1 x 2.5	6.7	7.6	70	7.8	8.6	112	107	9.9	11.0	149	144
1 x 4	7.2	8.0	90	8.3	9.2	135	130	10.4	11.5	174	169
1 x 6	8.2	9.4	120	9.3	10.5	172	167	11.4	12.5	214	209
1 x 10	9.2	10.5	177	10.3	11.5	238	231	12.4	13.5	282	275
1 x 16	10.2	11.5	240	11.8	13.0	339	328	13.9	15.0	387	376
1 x 25	12.2	13.5	358	13.8	15.0	479	467	15.9	17.5	530	517
1 x 35	13.5	15.0	472	15.1	16.5	609	595	17.4	19.0	668	654
1 x 50	15.7	17.5	660	17.3	19.0	825	808	19.6	21.0	885	869
1 x 70	18.7	20.5	910	20.3	22.0	1111	1092	22.8	24.5	1186	1167
1 x 95	22.4	24.5	1212	24.0	26.0	1458	1435	26.7	28.5	1551	1528
1 x 120	23.8	26.0	1489	25.4	27.5	1761	1736	28.1	30.0	1847	1823
1 x 150	25.6	27.5	1826	27.2	29.5	2129	2103	30.1	32.5	2223	2197
1 x 185	28.3	30.5	2225	29.9	32.0	2570	2541	32.8	35.0	2661	2632
1 x 240	31.9	34.5	2891	34.0	36.5	3388	3344	37.3	40.0	3507	3463
1 x 300	35.2	38.0	3575	37.3	40.0	4141	4094	40.6	43.5	4251	4203
2 x 1	9.4	10.5	90	10.5	12.0	147	141	12.6	14.0	196	190
2 x 1.5	10.0	11.5	106	11.1	12.5	167	160	13.2	14.5	218	211
2 x 2.5	11.0	12.0	135	12.6	14.0	235	224	14.7	16.0	292	280
2 x 4	12.2	13.5	181	13.8	15.0	293	281	15.9	17.0	353	341
2 x 6	14.4	16.0	249	16.0	18.0	383	368	18.3	20.0	457	442
2 x 10	16.0	18.0	357	17.6	19.5	509	492	19.9	22.0	587	570
2 x 16	18.2	20.0	492	19.8	22.0	668	650	22.3	24.5	761	742
2 x 25	22.0	24.5	730	23.6	26.0	949	926	26.3	28.5	1063	1040
2 x 35	25.0	27.5	984	26.6	29.0	1240	1214	29.5	32.0	1372	1346
2 x 50	29.2	31.5	1367	30.8	33.5	1676	1646	33.9	36.5	1832	1802
2 x 70	35.2	38.0	1895	37.3	40.5	2377	2330	40.6	43.5	2571	2523
2 x 95	42.4	45.5	2533	44.5	47.5	3125	3067	48.2	51.5	3384	3326
2 x 120	45.4	48.5	3115	47.5	51.0	3768	3707	51.4	55.0	4047	3985
2 x 1+E	9.9	11.5	114	11.0	12.5	175	168	13.1	14.5	225	218
2 x 1.5+E	10.6	12.0	136	12.2	13.5	233	222	14.3	15.5	288	277
2 x 2.5+E	11.9	13.0	182	13.5	14.5	292	280	15.6	17.0	351	338
2 x 4+E	12.9	14.0	241	14.5	16.0	362	349	16.8	18.0	430	416
2 x 6+E	15.3	17.0	334	16.9	18.5	479	463	19.2	21.0	555	539
2 x 10+E	17.2	19.0	500	18.8	21.0	669	651	21.3	23.5	755	738
2 x 16+E	19.6	21.5	694	21.2	23.0	892	872	23.7	25.5	982	961
3 x 25+E	25.1	27.5	1042	26.7	29.0	1302	1276	29.6	32.0	1432	1406
3 x 35+E	28.7	31.0	1280	30.3	33.0	1570	1542	33.4	35.5	1704	1676
3 x 50+E	32.5	35.5	1630	34.6	37.5	2070	2026	37.9	40.5	2257	2213
3 x 70+E	39.0	42.0	2290	41.1	44.5	2833	2780	44.6	47.5	3055	3002
3 x 95+E	46.8	50.5	3184	48.9	52.5	3856	3792	52.8	56.0	4143	4080
3 x 120+E	51.2	54.5	3986	53.3	56.5	4745	4676	57.4	60.5	5058	4989
3 x 1	9.9	11.5	114	11.0	12.5	175	168	13.1	14.5	225	218
3 x 1.5	10.6	12.0	136	12.2	13.5	233	222	14.3	15.5	288	277
3 x 2.5	11.9	13.0	182	13.5	14.5	292	280	15.6	17.0	351	338
3 x 4	12.9	14.0	241	14.5	16.0	362	349	16.8	18.0	430	416
3 x 6	15.3	17.0	334	16.9	18.5	479	463	19.2	21.0	555	539
3 x 10	17.2	19.0	500	18.8	21.0	669	651	21.3	23.5	755	738
3 x 16	19.6	21.5	694	21.2	23.0	892	872	23.7	25.5	982	961
3 x 25	23.7	26.0	1037	25.3	27.5	1285	1261	28.0	30.5	1394	1370
3 x 35	26.7	29.0	1388	28.3	30.5	1678	1651	31.2	33.5	1801	1774
3 x 50	31.4	34.0	1957	33.5	36.0	2402	2359	36.6	39.5	2547	2504
3 x 70	37.8	41.0	2716	39.9	43.0	3268	3216	43.4	46.5	3459	3407
3 x 95	45.6	49.0	3623	47.7	51.0	4304	4242	51.6	55.0	4559	4497
3 x 120	48.8	52.5	4475	50.9	54.5	5233	5167	55.0	59.0	5499	5432
3 x 150	52.7	56.5	5502	54.8	58.5	6353	6282	59.1	63.0	6631	6560
3 x 185	58.5	62.5	6717	60.6	64.5	7692	7613	65.1	69.0	7995	7916

CEPJR/SC, CEPFR/SC Series

芯数x截面 No. of cores x sectional area	CEPJR/SC, CEPFR/SC			CEPJR80/SC, CEPFR80/SC CEPJR90/SC, CEPFR90/SC				CEPJR85/SC, CEPFR86/SC CEPJR95/SC, CEPFR96/SC			
	外径 Over diam. mm		约重 Approx. weight	外径 Over diam. mm		约重 Approx. weight		外径 Over diam. mm		约重 Approx. weight	
	标称	最大		标称	最大	80系列	90系列	标称	最大	85系列	95系列
	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
4 x 1	10.8	12.0	140	12.4	14.0	239	228	14.5	16.0	294	283
4 x 1.5	11.7	13.0	173	13.3	15.0	281	269	15.4	17.0	339	327
4 x 2.5	12.9	14.0	227	14.5	16.0	347	334	16.8	18.0	416	402
4 x 4	14.3	15.5	311	15.9	17.0	447	432	18.2	19.5	518	503
4 x 6	17.0	19.0	432	18.6	20.5	596	578	21.1	23.0	685	667
4 x 10	18.9	21.0	641	20.5	23.0	831	811	23.0	25.5	919	900
4 x 16	21.5	24.0	893	23.1	25.5	1116	1094	25.8	28.0	1218	1196
4 x 25	25.3	27.5	1311	26.9	29.5	1586	1560	29.8	32.5	1704	1678
4 x 35	29.6	32.5	1816	31.2	34.0	2151	2121	34.3	37.0	2287	2256
4 x 50	33.9	37.0	2505	36.0	39.0	3004	2958	39.3	42.0	3158	3111
4 x 70	42.2	45.5	3576	44.3	47.5	4218	4161	48.0	51.5	4423	4366
4 x 95	49.8	53.5	4680	51.9	55.5	5459	5392	56.0	60.0	5724	5656
4 x 120	54.4	58.5	5889	56.5	60.5	6778	6704	60.8	65.0	7053	6979
4 x 150	57.7	62.0	7147	59.8	64.0	8134	8057	64.3	68.5	8408	8330
5 x 1	11.9	13.5	171	13.5	15.0	281	268	15.6	17.0	340	327
7 x 1	12.9	14.5	219	14.5	16.0	339	326	16.8	18.5	408	394
10 x 1	16.4	18.5	310	18.0	20.0	463	446	20.5	22.5	554	537
12 x 1	17.1	19.0	363	18.7	20.5	524	506	21.2	23.0	616	599
14 x 1	18.0	20.0	411	19.6	21.5	582	563	22.1	24.0	677	658
16 x 1	18.9	21.0	459	20.5	23.0	639	620	23.0	25.5	737	717
19 x 1	20.1	22.5	537	21.7	24.0	731	710	24.2	26.5	832	811
24 x 1	23.6	26.0	677	25.2	27.5	906	882	27.9	30.5	1032	1008
27 x 1	24.1	26.5	743	25.7	28.0	980	955	28.4	31.0	1105	1081
30 x 1	25.2	27.5	824	26.8	29.5	1074	1048	29.7	32.5	1215	1190
33 x 1	26.1	29.0	894	27.7	30.5	1154	1128	30.6	33.5	1298	1272
37 x 1	27.1	30.0	985	28.7	31.5	1258	1230	31.6	34.5	1404	1377
5 x 1.5	12.7	14.5	206	14.3	16.0	324	310	16.6	18.0	393	379
7 x 1.5	13.8	15.5	267	15.4	17.0	397	382	17.7	19.5	467	453
10 x 1.5	17.8	20.0	386	19.4	21.5	554	536	21.9	24.0	650	631
12 x 1.5	18.4	20.5	444	20.0	22.0	620	601	22.5	24.5	715	696
14 x 1.5	19.3	21.5	504	20.9	23.0	690	670	23.4	25.5	787	768
16 x 1.5	20.5	22.5	574	22.1	24.5	773	752	24.8	27.0	885	864
19 x 1.5	21.6	24.0	662	23.2	25.5	874	852	25.9	28.5	989	967
24 x 1.5	25.6	28.0	847	27.2	29.5	1101	1075	30.1	32.5	1244	1218
27 x 1.5	26.1	29.0	931	27.7	30.5	1193	1167	30.6	33.5	1335	1309
30 x 1.5	27.1	30.0	1020	28.7	31.5	1295	1267	31.6	34.5	1439	1411
33 x 1.5	28.3	31.0	1121	29.9	32.5	1410	1382	32.8	35.5	1558	1529
37 x 1.5	29.4	32.5	1238	31.0	34.0	1542	1512	34.1	37.0	1706	1676
5 x 2.5	14.3	15.5	279	15.9	17.0	413	398	18.2	19.5	486	472
7 x 2.5	15.5	17.0	364	17.1	18.5	512	496	19.4	21.0	587	571
10 x 2.5	20.0	21.5	525	21.6	23.0	718	697	24.1	25.5	818	797
12 x 2.5	20.7	22.5	606	22.3	24.0	808	787	25.0	26.5	920	899
14 x 2.5	21.7	23.5	690	23.3	25.0	905	882	26.0	27.5	1018	996
16 x 2.5	23.1	25.0	786	24.7	26.5	1017	993	27.4	29.0	1134	1111
19 x 2.5	24.3	26.0	910	25.9	27.5	1157	1132	28.6	30.5	1275	1250
24 x 2.5	28.8	31.0	1161	30.4	32.5	1457	1427	33.5	35.5	1620	1591
27 x 2.5	29.4	31.5	1280	31.0	33.0	1586	1556	34.1	36.0	1749	1719
30 x 2.5	30.7	33.0	1419	32.8	35.0	1829	1787	35.9	38.0	1996	1954
33 x 2.5	31.9	34.0	1544	34.0	36.0	1973	1930	37.3	39.5	2160	2117
37 x 2.5	33.3	35.5	1723	35.4	37.5	2176	2131	38.7	41.0	2365	2319

注: a) CEVR, CEFR阻燃系列电缆参照上述数据使用

b) 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: a) Data above can be used for CEVR and CEFR flame retardant series cable.

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

CJPJ/SC Series, CJPF/SC Series**0.6/1kV**

交联聚乙烯绝缘低烟无卤电力电缆

XLPE insulated halogen-free low-smoke shipboard power cable

图例 **Example:****CJPJ85/SC
3X120**

型号: **CJPJ/SC**
 Type: **CJPJ80/SC**
CJPJ90/SC
CJPJ85/SC
CJPJ95/SC

CJPF/SC
CJPF80/SC
CJPF90/SC
CJPF86/SC
CJPF96/SC

用途 Application

船用电力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 power lighting and control system of shipboard and off-shore building such as oil platform. It is also available to metallurgical industry, chemical works, power plant and corporation mining etc.

结构 Construction**执行标准 Standards applied**

IEC 60092-353 – 设计 **Design**
 IEC 60228 Class 2 – 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**

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	C	船用电力电缆 Shipboard power 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)

CJV/SA Series**0.6/1kV**

交联聚乙烯绝缘电力电缆

XLPE insulated shipboard power cable

图例 **Example:****CJV82/SA
3X120**型号: **CJV/SA**
Type: **CJV80/SA**
CJV90/SA
CJV82/SA
CJV92/SA
用途 Application

船用电力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 power lighting and control system of shipboard and off-shore building such as oil platform. It is also available to metallurgical industry, chemical works, power plant and corporation mining etc

结构 Construction**执行标准 Standards applied**

IEC 60092-353	– 设计	Design
IEC 60228 Class 2	– 导体	Conductor
IEC 60092-351	– 绝缘	Insulation
IEC 60092-359	– 护套	Sheath
IEC 60332-3-22	– 阻燃	Flame Retardant

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	C	船用电力电缆 Shipboard power 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	V	聚氯乙烯 PVC
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
	2	聚氯乙烯 PVC
外护套颜色 Outer sheath color		黑色(如有) Black, if any
燃烧特性 Flammability	SA	阻燃 Flame retardant, IEC60332-3-22(CAT.A)

CJPJ/SC, CJPF/SC Series

芯数x截面 No. of cores x sectional area	CJPJ/SC, CJPF/SC			CJPJ80/SC, CJPF80/SC CJPJ90/SC, CJPF90/SC				CJPJ85/SC, CJPF86/SC CJPJ95/SC, CJPF96/SC			
	外径 Over diam. mm		约重 Approx. weight	外径 Over diam. mm		约重 Approx. weight		外径 Over diam. mm		约重 Approx. weight	
	标称	最大		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.	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1 x 1	4.9	5.8	35	5.9	6.7	66	63	7.9	8.9	103	99
1 x 1.5	5.2	6.0	42	6.2	7.2	75	71	8.2	9.2	112	108
1 x 2.5	5.7	6.4	59	6.7	7.6	97	93	8.7	9.6	136	131
1 x 4	6.3	7.2	78	7.3	8.2	120	115	9.3	10.5	162	158
1 x 6	6.8	7.8	101	7.8	8.8	147	142	9.8	11.0	191	186
1 x 10	8.1	9.2	154	9.1	10.5	210	204	11.1	12.5	257	251
1 x 16	9.3	10.5	224	10.3	11.5	290	283	12.3	14.0	338	332
1 x 25	10.8	12.5	330	12.3	14.0	442	430	14.3	16.0	497	485
1 x 35	12.5	14.0	448	14.0	15.5	579	566	16.2	18.0	642	629
1 x 50	13.9	15.5	586	15.4	17.0	736	721	17.6	19.5	803	788
1 x 70	16.1	18.0	822	17.6	19.5	1001	984	19.8	21.5	1078	1061
1 x 95	18.4	20.5	1115	19.9	22.0	1327	1308	22.3	24.5	1403	1384
1 x 120	20.2	22.0	1387	21.7	23.5	1628	1606	24.1	26.0	1712	1691
1 x 150	22.0	24.0	1683	23.5	25.5	1953	1930	26.1	28.0	2032	2009
1 x 185	24.2	26.5	2087	25.7	28.0	2395	2370	28.3	31.0	2485	2460
1 x 240	27.5	29.5	2722	29.0	31.0	3088	3060	31.8	34.0	3166	3138
1 x 300	30.3	32.5	3382	32.3	34.5	3890	3848	35.3	37.5	3974	3932
2 x 1	7.6	8.6	66	8.6	9.8	115	109	10.6	12.0	165	159
2 x 1.5	8.2	9.6	84	9.2	10.5	138	132	11.2	13.0	189	183
2 x 2.5	9.4	10.5	113	10.4	11.5	174	167	12.4	13.5	228	221
2 x 4	10.6	12.0	152	12.1	13.5	253	242	14.1	15.5	315	303
2 x 6	11.8	13.0	204	13.3	15.0	318	305	15.3	17.0	384	371
2 x 10	14.6	16.0	317	16.1	18.0	459	443	18.3	20.0	542	526
2 x 16	16.8	18.5	459	18.3	20.5	626	608	20.7	23.0	723	706
2 x 25	20.0	22.0	684	21.5	23.5	888	867	23.9	26.0	1008	987
2 x 35	23.2	25.0	922	24.7	27.0	1164	1139	27.3	29.5	1290	1266
2 x 50	25.8	28.0	1203	27.3	29.5	1480	1453	30.1	32.5	1624	1597
2 x 70	30.6	33.0	1708	32.6	35.5	2136	2094	35.6	38.5	2311	2268
2 x 95	35.0	38.0	2305	37.0	40.5	2810	2762	40.2	43.5	3008	2959
2 x 120	38.6	41.5	2873	40.6	43.5	3445	3392	44.0	47.5	3661	3608
2 x 1+E	8.0	9.2	83	9.0	10.5	135	129	11.0	12.5	186	180
2 x 1.5+E	8.9	10.0	107	9.9	11.5	165	158	11.7	13.0	219	213
2 x 2.5+E	10.0	11.0	148	11.0	12.0	244	233	13.0	14.5	301	290
2 x 4+E	11.5	12.5	208	13.0	14.5	319	307	15.0	16.5	383	370
2 x 6+E	12.5	14.0	275	14.0	15.5	398	384	16.2	18.0	473	459
2 x 10+E	15.5	17.0	435	17.0	19.0	590	574	19.2	21.0	672	655
2 x 16+E	17.9	20.0	638	19.4	21.5	823	804	21.8	24.0	920	901
3 x 25+E	22.8	25.0	874	24.3	26.5	1109	1085	26.9	29.0	1065	1042
3 x 35+E	26.7	29.0	1216	28.2	30.5	1500	1472	31.0	33.5	1439	1411
3 x 50+E	29.0	31.5	1495	30.5	33.0	1811	1781	33.5	36.5	1736	1707
3 x 70+E	34.3	37.0	2110	36.3	39.5	2597	2550	39.5	42.5	2491	2444
3 x 95+E	39.3	42.5	2852	41.3	44.5	3429	3375	44.7	48.0	3286	3232
3 x 120+E	43.9	47.5	3656	45.9	49.5	4322	4263	49.5	53.0	4139	4080
3 x 1	8.0	9.2	83	9.0	10.5	135	129	11.0	12.5	186	180
3 x 1.5	8.9	10.0	107	9.9	11.5	165	158	11.7	13.0	219	213
3 x 2.5	10.0	11.0	148	11.0	12.0	244	233	13.0	14.5	301	290
3 x 4	11.5	12.5	208	13.0	14.5	319	307	15.0	16.5	383	370
3 x 6	12.5	14.0	275	14.0	15.5	398	384	16.2	18.0	473	459
3 x 10	15.6	17.0	435	17.1	19.0	590	574	19.3	21.0	672	655
3 x 16	17.9	20.0	638	19.4	21.5	823	804	21.8	24.0	920	901
3 x 25	21.4	24.0	962	22.9	25.5	1190	1168	25.5	28.0	1305	1283
3 x 35	25.0	27.0	1317	26.5	28.5	1593	1567	29.3	31.5	1725	1699
3 x 50	27.8	30.5	1726	29.3	32.0	2045	2016	32.1	35.0	2175	2147
3 x 70	32.9	35.5	2457	34.9	38.0	2947	2902	38.1	41.0	3119	3074
3 x 95	37.7	41.0	3330	39.7	43.0	3915	3864	43.1	46.5	4104	4053
3 x 120	41.5	45.0	4154	43.5	47.0	4822	4765	47.1	50.5	5023	4966
3 x 150	45.2	48.5	5035	47.2	50.5	5786	5725	51.0	54.5	6000	5939
3 x 185	50.3	54.0	6292	52.3	56.5	7161	7093	56.3	60.5	7391	7323

CJPJ/SC, CJPF/SC Series

芯数x截面 No. of cores x sectional area	CJPJ/SC, CJPF/SC			CJPJ80/SC, CJPF80/SC CJPJ90/SC, CJPF90/SC				CJPJ85/SC, CJPF86/SC CJPJ95/SC, CJPF96/SC			
	外径 Over diam. mm		约重 Approx. weight	外径 Over diam. mm		约重 Approx. weight		外径 Over diam. mm		约重 Approx. weight	
	标称	最大		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.	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
4 x 1	8.9	10.5	106	9.9	11.5	164	157	11.7	13.0	218	211
4 x 1.5	9.7	11.0	131	10.7	12.0	224	213	12.7	14.0	283	272
4 x 2.5	10.9	12.0	190	12.4	13.5	297	285	14.4	16.0	359	347
4 x 4	12.5	14.0	261	14.0	15.5	383	370	16.2	17.5	456	442
4 x 6	13.9	15.5	357	15.4	17.0	495	480	17.6	19.5	573	558
4 x 10	17.3	19.0	566	18.8	20.5	742	724	21.2	23.0	837	819
4 x 16	19.9	22.0	832	21.4	23.5	1042	1022	23.8	26.0	1141	1121
4 x 25	23.7	26.0	1258	25.2	27.5	1520	1496	27.8	30.5	1636	1611
4 x 35	27.8	30.0	1723	29.3	31.5	2042	2013	32.1	34.5	2173	2144
4 x 50	30.9	33.5	2261	32.9	35.5	2720	2677	35.9	39.0	2866	2824
4 x 70	36.6	39.5	3223	38.6	41.5	3791	3741	42.0	45.5	3974	3924
4 x 95	42.1	45.5	4394	44.1	47.5	5080	5022	47.7	51.5	5277	5220
4 x 120	46.4	50.0	5481	48.4	52.0	6267	6203	52.2	56.0	6471	6408
4 x 150	50.4	54.0	6645	52.4	56.0	7533	7464	56.4	60.0	7740	7672
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
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
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: a) CJV阻燃系列电缆参照上述数据使用

b) 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: a) Data above can be used for CJV flame retardant series cable.

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

CJPJR/SC Series, CJPFR/SC Series**0.6/1kV**

交联聚乙烯绝缘电力软电缆

XLPE insulated shipboard power flexible cable

图例 **Example:****CJPJR/SC
2X70**型号: **CJPJR/SC**Type: **CJPJR80/SC****CJPJR90/SC****CJPJR85/SC****CJPJR95/SC****CJPFR/SC****CJPFR80/SC****CJPFR90/SC****CJPFR86/SC****CJPFR96/SC****用途 Application**

船用电力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 power lighting and control system of shipboard and off-shore building such as oil platform. It is also available to metallurgical industry, chemical works, power plant and corporation mining etc.

结构 Construction**执行标准 Standards applied**

IEC 60092-353	– 设计	Design
IEC 60228 Class 5	– 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

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	C	船用电力电缆 Shipboard power cable
导体 Conductor		绞合软镀锡退火铜, IEC 60228 Class 5 Stranded tinned annealed copper (STC), IEC 60228 Class 5
绝缘 Insulation	J	交联聚乙烯 XLPE, IEC 60092-351
护套 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)
结构 Construction	R	软结构导体 Flexible copper conductor
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)

CJPJR/SC, CJPFR/SC Series

芯数x截面 No. of cores x sectional area	CJPJR/SC, CJPFR/SC			CJPJR80/SC, CJPFR80/SC CJPJR90/SC, CJPFR90/SC				CJPJR85/SC, CJPFR86/SC CJPJR95/SC, CJPFR96/SC			
	外径 Over diam. mm		约重 Approx. weight	外径 Over diam. mm		约重 Approx. weight		外径 Over diam. mm		约重 Approx. weight	
	标称	最大		标称	最大	80系列	90系列	标称	最大	85系列	95系列
	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1 x 1	5.1	6.0	37	6.2	7.0	68	65	8.3	9.2	101	97
1 x 1.5	5.4	6.2	45	6.5	7.4	78	75	8.6	9.4	111	107
1 x 2.5	6.1	7.0	61	7.2	8.0	99	95	9.3	10.0	134	130
1 x 4	6.7	7.6	82	7.8	8.6	124	120	9.9	11.0	161	157
1 x 6	7.7	8.8	111	8.8	9.8	160	155	10.9	12.0	200	195
1 x 10	9.0	10.5	173	10.1	11.5	232	226	12.2	13.5	276	269
1 x 16	10.0	11.5	235	11.1	12.5	303	296	13.2	14.5	347	341
1 x 25	11.8	13.0	346	13.4	15.0	429	421	15.5	17.0	477	468
1 x 35	13.3	15.0	465	14.9	16.5	562	553	17.2	18.5	618	609
1 x 50	15.1	16.5	638	16.7	18.5	753	743	19.0	20.5	810	799
1 x 70	18.5	20.5	902	20.1	22.0	1049	1036	22.6	24.5	1119	1107
1 x 95	21.8	24.0	1182	23.4	25.5	1361	1346	26.1	28.0	1447	1432
1 x 120	23.4	25.5	1467	25.0	27.0	1669	1653	27.7	29.5	1750	1735
1 x 150	24.6	27.0	1768	26.2	28.5	1991	1974	29.1	31.5	2065	2048
1 x 185	27.3	29.5	2160	28.9	31.5	2417	2399	31.8	34.0	2502	2484
1 x 240	30.9	33.5	2817	33.0	35.5	3126	3106	36.1	38.5	3219	3198
1 x 300	34.0	36.5	3478	36.1	38.5	3837	3814	39.4	42.0	3935	3912
2 x 1	8.0	9.2	71	9.1	10.5	120	114	11.2	12.5	163	157
2 x 1.5	8.8	10.0	89	9.9	11.0	143	137	12.0	13.0	190	183
2 x 2.5	9.8	11.0	117	10.9	12.0	178	171	13.0	14.0	227	220
2 x 4	11.0	12.0	159	12.6	14.0	228	221	14.7	16.0	282	274
2 x 6	13.2	15.0	223	14.8	16.5	307	298	17.1	19.0	375	366
2 x 10	15.6	17.5	349	17.2	19.0	453	442	19.5	21.5	526	515
2 x 16	17.8	20.0	482	19.4	21.5	604	592	21.9	24.0	692	680
2 x 25	21.2	23.5	707	22.8	25.0	859	844	25.5	27.5	965	951
2 x 35	24.4	27.0	959	26.0	28.5	1141	1124	28.9	31.5	1254	1237
2 x 50	28.0	30.5	1321	29.6	32.0	1540	1521	32.5	35.0	1672	1653
2 x 70	34.8	37.5	1877	36.9	39.5	2160	2137	40.2	43.0	2344	2321
2 x 95	41.6	45.0	2489	43.7	47.0	2840	2812	47.4	50.5	3086	3058
2 x 120	44.6	48.0	3068	46.7	50.0	3464	3434	50.6	54.0	3706	3676
2 x 1+E	8.4	9.8	90	9.5	11.0	142	136	11.6	13.0	186	180
2 x 1.5+E	9.3	10.5	114	10.4	11.5	172	165	12.5	14.0	220	213
2 x 2.5+E	10.4	11.5	153	12.0	13.0	219	212	14.1	15.0	270	262
2 x 4+E	11.9	13.0	219	13.5	14.5	296	288	15.6	17.0	351	342
2 x 6+E	14.2	16.0	308	15.8	17.5	402	392	18.1	20.0	470	461
2 x 10+E	16.6	18.5	481	18.2	20.5	597	585	20.7	23.0	668	657
2 x 16+E	19.0	21.0	671	20.6	23.0	809	796	23.1	25.5	894	882
3 x 25+E	24.0	26.5	1003	25.6	28.0	1252	1227	28.3	30.5	1364	1339
3 x 35+E	27.0	30.5	1259	28.6	32.0	1545	1517	31.5	35.0	1676	1649
3 x 50+E	31.2	34.0	1575	33.3	36.0	1998	1956	36.4	39.0	2162	2119
3 x 70+E	38.5	41.5	2265	40.6	44.0	2802	2749	44.1	47.5	3021	2969
3 x 95+E	45.5	49.0	3098	47.6	51.0	3752	3690	51.5	55.0	4031	3970
3 x 120+E	50.3	53.5	3931	52.4	55.5	4678	4610	56.5	60.0	4984	4916
3 x 1	8.4	9.8	90	9.5	11.0	142	136	11.6	13.0	186	180
3 x 1.5	9.3	10.5	114	10.4	11.5	172	165	12.5	14.0	220	213
3 x 2.5	10.4	11.5	153	12.0	13.0	219	212	14.1	15.0	270	262
3 x 4	11.9	13.0	219	13.5	14.5	296	288	15.6	17.0	351	342
3 x 6	14.2	16.0	308	15.8	17.5	402	392	18.1	20.0	470	461
3 x 10	16.6	18.5	481	18.2	20.5	597	585	20.7	23.0	668	657
3 x 16	19.0	21.0	671	20.6	23.0	809	796	23.1	25.5	894	882
3 x 25	22.8	25.0	1004	24.4	26.5	1179	1164	27.1	29.5	1281	1266
3 x 35	26.2	28.5	1369	27.8	30.5	1581	1563	30.7	33.0	1699	1681
3 x 50	29.9	32.5	1879	31.5	34.0	2136	2116	34.6	37.5	2267	2247
3 x 70	37.4	40.5	2690	39.5	42.5	3028	3003	43.0	46.0	3210	3185
3 x 95	44.7	48.0	3560	46.8	50.0	3981	3951	50.7	54.0	4200	4170
3 x 120	47.9	51.5	4408	50.0	53.5	4889	4856	54.1	58.0	5115	5083
3 x 150	50.7	54.5	5335	52.8	56.5	5877	5843	56.9	60.5	6107	6073
3 x 185	56.5	60.5	6531	58.6	62.5	7164	7126	63.1	67.0	7417	7379

CJPJR/SC,CJPFR/SC Series

芯数x截面 No. of cores x sectional area	CJPJR/SC, CJPFR/SC			CJPJR80/SC, CJPFR80/SC CJPJR90/SC, CJPFR90/SC				CJPJR85/SC, CJPFR86/SC CJPJR95/SC, CJPFR96/SC			
	外径 Over diam. mm		约重 Approx. weight	外径 Over diam. mm		约重 Approx. weight		外径 Over diam. mm		约重 Approx. weight	
	标称	最大		标称	最大	80系列	90系列	标称	最大	85系列	95系列
	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
4 x 1	9.3	10.5	114	10.4	12.0	172	165	12.5	14.0	219	213
4 x 1.5	10.1	11.5	141	11.7	13.0	205	198	13.8	15.0	255	248
4 x 2.5	11.5	12.5	197	13.1	14.5	271	263	15.2	16.5	324	316
4 x 4	12.9	14.0	276	14.5	16.0	361	353	16.8	18.0	425	416
4 x 6	15.5	17.5	390	17.1	19.0	495	485	19.4	21.5	566	555
4 x 10	18.4	20.5	625	20.0	22.0	757	745	22.5	24.5	842	829
4 x 16	21.0	23.0	875	22.6	25.0	1034	1020	25.3	27.5	1131	1117
4 x 25	25.3	27.5	1311	26.9	29.5	1515	1498	29.8	32.5	1630	1613
4 x 35	29.1	31.5	1791	30.7	33.5	2039	2020	33.8	36.5	2170	2151
4 x 50	33.4	36.0	2478	35.5	38.5	2784	2761	38.8	41.5	2927	2904
4 x 70	41.7	45.0	3541	43.8	47.0	3945	3917	47.5	51.0	4140	4111
4 x 95	49.8	53.5	4680	51.9	55.5	5184	5151	56.0	60.0	5440	5406
4 x 120	53.4	57.0	5801	55.5	59.5	6381	6345	59.8	64.0	6640	6605
4 x 150	56.5	60.5	7027	58.6	62.5	7685	7647	63.1	67.0	7914	7876
5 x 1	10.1	11.5	136	11.7	13.0	199	192	13.8	15.0	249	242
7 x 1	10.9	12.5	173	12.5	14.0	243	235	14.6	16.0	295	287
10 x 1	13.8	16.0	246	15.4	17.5	335	325	17.7	19.5	404	394
12 x 1	14.4	16.0	288	16.0	18.0	382	372	18.3	20.0	452	442
14 x 1	15.1	17.0	326	16.7	18.5	426	415	19.0	21.0	498	487
16 x 1	15.9	18.0	364	17.5	19.5	470	459	19.8	22.0	545	534
19 x 1	16.9	19.0	427	18.5	20.5	542	530	21.0	23.0	627	616
24 x 1	19.8	22.0	539	21.4	23.5	675	661	23.9	26.0	771	757
27 x 1	20.2	22.5	592	21.8	24.0	733	719	24.3	26.5	828	814
30 x 1	20.9	23.0	647	22.5	25.0	794	780	25.2	27.5	902	887
33 x 1	21.7	24.5	702	23.3	26.0	856	841	26.0	28.5	967	952
37 x 1	22.7	25.0	785	24.3	27.0	949	933	27.0	29.5	1061	1045
5 x 1.5	10.9	12.5	168	12.5	14.0	237	230	14.6	16.0	290	282
7 x 1.5	12.0	13.5	223	13.6	15.0	301	293	15.7	17.0	356	347
10 x 1.5	15.2	17.0	316	16.8	18.5	416	405	19.1	21.0	489	479
12 x 1.5	15.7	17.5	364	17.3	19.0	469	458	19.6	21.5	542	531
14 x 1.5	16.4	18.5	413	18.0	20.0	524	513	20.5	22.5	598	587
16 x 1.5	17.5	19.5	471	19.1	21.0	591	579	21.6	23.5	678	666
19 x 1.5	18.4	20.5	544	20.0	22.0	672	660	22.5	24.5	760	748
24 x 1.5	21.6	24.0	687	23.2	25.5	840	825	25.9	28.5	950	935
27 x 1.5	22.3	24.5	767	23.9	26.5	928	912	26.6	29.0	1038	1023
30 x 1.5	23.0	25.5	839	24.6	27.0	1007	991	27.3	30.0	1118	1102
33 x 1.5	23.9	26.5	913	25.5	28.0	1090	1073	28.2	31.0	1202	1186
37 x 1.5	25.0	27.5	1020	26.6	29.0	1208	1191	29.5	32.0	1335	1318
5 x 2.5	12.5	14.0	236	14.1	15.5	317	309	16.4	17.5	374	365
7 x 2.5	13.5	15.0	308	15.1	16.5	398	389	17.4	18.5	464	454
10 x 2.5	17.4	19.0	446	19.0	20.5	564	552	21.5	23.0	651	639
12 x 2.5	18.0	19.5	516	19.6	21.0	641	629	22.1	23.5	728	716
14 x 2.5	18.8	20.5	587	20.4	22.0	720	707	22.9	24.5	808	795
16 x 2.5	20.1	22.0	670	21.7	23.5	814	800	24.2	26.0	906	892
19 x 2.5	21.1	23.0	777	22.7	24.5	932	917	25.4	27.0	1034	1020
24 x 2.5	25.0	27.0	992	26.6	28.5	1178	1161	29.5	31.5	1307	1290
27 x 2.5	25.5	27.5	1094	27.1	29.0	1288	1271	30.0	32.0	1415	1398
30 x 2.5	26.4	28.5	1201	28.0	30.0	1405	1388	30.9	33.0	1533	1515
33 x 2.5	27.7	29.5	1322	29.3	31.5	1539	1521	32.2	34.5	1669	1650
37 x 2.5	28.7	31.0	1462	30.3	32.5	1692	1672	33.4	35.5	1821	1802

注: a) CJVR阻燃系列电缆参照上述数据使用

b) 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: a) Data above can be used for CJVR flame retardant series cable.

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

CJ85/SC Series,CJ86/SC Series

0.6/1kV

交联聚乙烯绝缘低烟无卤无内套电力电缆

XLPE insulated halogen-free low-smoke shipboard power cable without inner sheath

图例 **Example:**

CJ85/SC
3X120



型号: **CJ85/SC**

Type: **CJ86/SC**

用途 Application

船用电力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 power lighting and control system of shipboard and off-shore building such as oil platform. It is also available to metallurgical industry, chemical works, power plant and corporation mining etc

结构 Construction

执行标准 Standards applied

IEC 60092-353	– 设计	Design
IEC 60228 Class 2	– 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

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	C	船用电力电缆 Shipboard power 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)

CJ85/SC, CJ86/SC

芯数x截面 No. of cores x sectional area	外径		约重 Approx. weight	芯数x截面 No. of cores x sectional area	外径		约重 Approx. weight
	Over diam. mm				Over diam. mm		
	标称 Nom.	最大 Max.			标称 Nom.	最大 Max.	
No. x mm ²			kg/km	No. x mm ²			kg/km
1 x 1	5.9	6.7	66	4 x 1	9.9	11.5	158
1 x 1.5	6.2	7.2	75	4 x 1.5	10.7	12.0	193
1 x 2.5	6.7	7.6	92	4 x 2.5	12.1	13.5	252
1 x 4	7.3	8.2	114	4 x 4	14.2	15.5	372
1 x 6	7.8	8.8	141	4 x 6	15.4	17.0	474
1 x 10	9.3	10.5	205	4 x 10	18.8	20.5	721
1 x 16	10.3	11.5	278	4 x 16	21.4	23.5	1002
1 x 25	12.0	13.5	399	4 x 25	25.4	28.0	1473
1 x 35	14.2	15.5	560	4 x 35	29.3	31.5	1957
1 x 50	15.4	17.0	704	4 x 50	32.4	35.0	2540
1 x 70	17.8	19.5	966	4 x 70	38.8	42.0	3653
1 x 95	20.1	22.0	1281	4 x 95	44.3	48.0	4891
1 x 120	21.7	23.5	1568	4 x 120	48.3	52.0	6002
1 x 150	23.5	25.5	1867	4 x 150	52.6	56.0	7236
1 x 185	25.9	28.0	2304				
1 x 240	29.0	31.0	2952				
1 x 300	31.8	34.0	3636				
2 x 1	8.8	10.0	116	5 x 1	10.7	12.0	187
2 x 1.5	9.4	10.5	133	7 x 1	11.7	13.0	226
2 x 2.5	10.4	11.5	167	10 x 1	15.1	17.0	347
2 x 4	11.8	13.0	218	12 x 1	15.5	17.5	381
2 x 6	12.8	14.5	272	14 x 1	16.2	18.0	429
2 x 10	16.1	18.0	449	16 x 1	17.2	19.0	472
2 x 16	18.3	20.5	602	19 x 1	18.0	20.0	527
2 x 25	21.5	23.5	865	24 x 1	20.9	23.0	654
2 x 35	24.9	27.0	1130	27 x 1	21.3	23.5	703
2 x 50	27.5	30.0	1436	30 x 1	22.2	24.5	769
2 x 70	32.1	35.0	1969	33 x 1	23.0	25.5	827
2 x 95	37.2	40.5	2716	37 x 1	23.8	26.5	897
2 x 1+E	9.2	10.5	135	5 x 1.5	11.7	13.0	223
2 x 1.5+E	9.9	11.5	159	7 x 1.5	12.6	14.0	274
2 x 2.5+E	11.2	12.5	210	10 x 1.5	16.3	18.0	426
2 x 4+E	12.5	14.0	273	12 x 1.5	17.0	19.0	473
2 x 6+E	14.2	16.0	389	14 x 1.5	17.7	20.0	524
2 x 10+E	17.2	19.0	575	16 x 1.5	18.6	20.5	578
2 x 16+E	19.6	21.5	801	19 x 1.5	19.7	22.0	661
3 x 25+E	24.2	26.5	1078	24 x 1.5	22.9	25.5	821
3 x 35+E	28.3	30.5	1455	27 x 1.5	23.4	26.0	888
3 x 50+E	30.6	33.5	1757	30 x 1.5	24.1	26.5	959
3 x 70+E	36.4	39.5	2510	33 x 1.5	25.2	28.0	1046
3 x 95+E	41.3	45.0	3314	37 x 1.5	26.1	29.0	1140
3 x 120+E	45.7	49.0	4147				
3 x 1	9.2	10.5	135	5 x 2.5	13.1	14.5	296
3 x 1.5	9.9	11.5	159	7 x 2.5	14.8	16.0	413
3 x 2.5	11.2	12.5	210	10 x 2.5	18.5	20.0	569
3 x 4	12.5	14.0	273	12 x 2.5	19.3	21.0	650
3 x 6	14.2	16.0	389	14 x 2.5	20.1	22.0	725
3 x 10	16.7	18.5	575	16 x 2.5	21.2	23.0	805
3 x 16	19.6	21.5	801	19 x 2.5	22.4	24.0	926
3 x 25	23.0	25.5	1155	24 x 2.5	26.1	28.0	1153
3 x 35	26.5	28.5	1528	27 x 2.5	26.6	28.5	1255
3 x 50	29.3	32.0	1962	30 x 2.5	27.7	29.5	1377
3 x 70	34.4	37.5	2738	33 x 2.5	28.8	31.0	1489
3 x 95	38.9	42.0	3774	37 x 2.5	29.8	32.0	1646
3 x 120	43.7	47.0	4642				
3 x 150	47.4	50.5	5563				
3 x 185	52.5	56.5	6888				

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