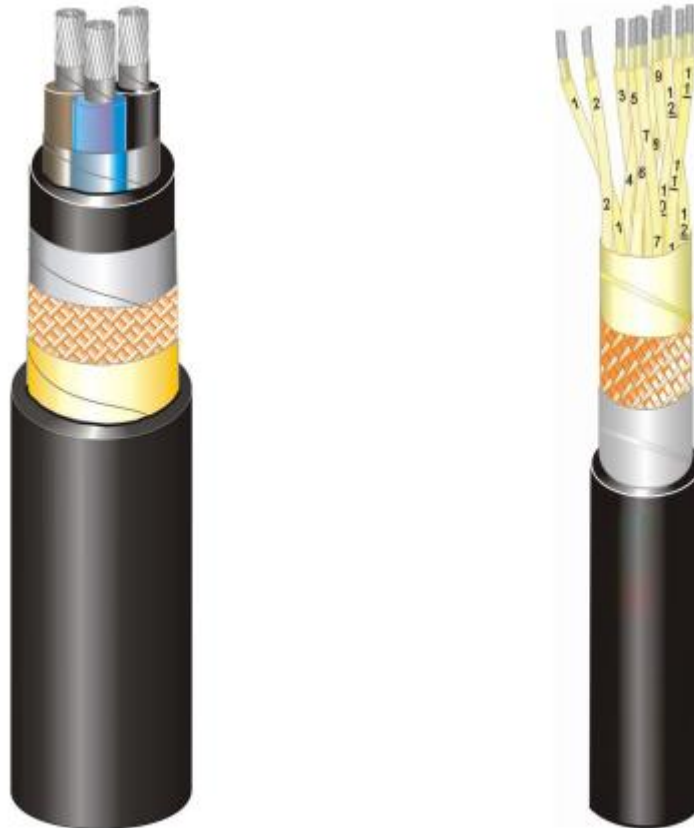




Fire Resistant Shipboard Instrumentation & Communication Cable



HI-SEA MARINE EQUIPMENT IMPORT & EXPORT CO., LTD

15-1, JINSHAN MATRIX A, SAIDI RD., NEW NORTH ZONE, CHONGQING 401122, CHINA

Tel/Fax: +86-23-67956606/67956622

Mobil: +86-19922868020

E-mail: sales3@hiseamarine.com

Web: <https://en.hiseacable.com>

WhatsApp: +86-19922868020

Wechat: Alex-Tao19922868020

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		150/250V	CHJ85/NC CHJ86/NC	17~19
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EPR	Fire resistant	150/250V	CHEPJ/NC series CHEPF/NC series CHEV/NA series CHEF/NA series	25~30
		150/250V	CHEPJP/NC series CHEPFP/NC series CHEVP/NA series CHEFP/NA series	31~40

CHJPJ/NC Series, CHJPF/NC Series**150/250V**

交联聚乙烯绝缘低烟无卤船用通信电缆

XLPE insulated halogen-free low-smoke shipboard symmetrical communication cable

图例 **Example:****CHJPJ85/NC
7X2X0.75**

型号: **CHJPJ/NC**
 Type: **CHJPJ80/NC**
CHJPJ90/NC
CHJPJ85/NC
CHJPJ95/NC

CHJPF/NC
CHJPF80/NC
CHJPF90/NC
CHJPF86/NC
CHJPF96/NC

用途 Application

船用通信电缆可用于电信、电子计算机、信息处理设备中的信号传输和控制系统。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for telecommunication, computer and information processing unit of shipboard and naval ship and it is also available to metallurgical industry, chemical works, power plant and mining etc.

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	CH	船用通信电缆 Shipboard symmetrical communication 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

CHJV/NA Series**150/250V**

交联聚乙烯绝缘船用通信电缆

XLPE insulated shipboard symmetrical communication cable图例 **Example:****CHJV82/NA
7X2X0.75**

型号: **CHJV/NA**
 Type: **CHJV80/NA**
CHJV90/NA
CHJV82/NA
CHJV92/NA

用途 Application

船用通信电缆可用于电信、电子计算机、信息处理设备中的信号传输和控制系统。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for telecommunication, computer and information processing unit of shipboard and naval ship and it is also available to metallurgical industry, chemical works, power plant and mining etc.

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

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CH	船用通信电缆 Shipboard symmetrical communication 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	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	NA	耐火 Fire resistant, IEC60331

CHJPJ/NC, CHJPF/NC Series

(CHJV/NA also can refer below table)

对数x2x截面积 No of pairs x 2 x cross section area	CHJPJ/NC, CHJPF/NC			CHJPJ80/NC, CHJPF80/NC CHJPJ90/NC, CHJPF90/NC				CHJPJ85/NC, CHJPF86/NC CHJPJ95/NC, CHJPF96/NC			
	外径 Over diam. mm		约重 Approx. weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 2xmm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km
1x2 x 0.75	8.2	9.6	66	9.3	10.5	116	110	11.4	13.0	160	154
2x2 x 0.75	12.4	14.0	125	14.0	15.5	236	223	16.1	18.0	300	287
3x2 x 0.75	13.2	15.0	157	14.8	16.5	276	263	17.1	19.0	350	336
4x2 x 0.75	14.7	16.5	199	16.3	18.0	333	317	18.6	20.5	412	396
5x2 x 0.75	16.1	18.0	236	17.7	20.0	383	366	20.0	22.0	467	450
7x2 x 0.75	17.8	20.0	308	19.4	21.5	472	454	21.9	24.0	572	553
10x2 x 0.75	23.1	25.5	447	24.7	27.0	661	637	27.4	30.0	795	771
12x2 x 0.75	23.9	26.5	508	25.5	28.0	731	707	28.2	31.0	867	842
14x2 x 0.75	25.3	28.0	583	26.9	29.5	821	796	29.8	32.5	976	950
16x2 x 0.75	26.7	29.5	650	28.3	31.5	903	876	31.2	34.0	1063	1035
19x2 x 0.75	28.4	31.5	757	30.0	33.0	1029	1000	32.9	36.0	1195	1166
24x2 x 0.75	33.7	37.0	968	35.8	39.0	1388	1342	39.1	42.5	1617	1571
27x2 x 0.75	34.5	38.0	1058	36.6	40.0	1491	1444	39.9	43.5	1721	1674
30x2 x 0.75	35.9	39.5	1167	38.0	41.5	1621	1572	41.3	45.0	1856	1807
33x2 x 0.75	37.4	41.5	1265	39.5	43.5	1740	1689	43.0	47.0	2000	1949
37x2 x 0.75	39.0	43.0	1406	41.1	45.0	1905	1852	44.6	48.5	2171	2118
43x2 x 0.75	42.5	47.0	1624	44.6	49.0	2172	2114	48.3	52.5	2477	2419
48x2 x 0.75	45.1	49.5	1808	47.2	51.5	2393	2332	51.1	55.5	2734	2672
1x2 x 1.0	9.0	10.5	81	10.1	11.5	136	129	12.2	13.5	183	177
2x2 x 1.0	13.4	15.5	146	15.0	17.0	266	252	17.3	19.0	342	328
3x2 x 1.0	14.5	16.0	193	16.1	18.0	325	310	18.4	20.0	403	388
4x2 x 1.0	15.9	18.0	238	17.5	19.5	383	367	19.8	21.5	466	449
5x2 x 1.0	17.6	19.5	291	19.2	21.0	453	434	21.7	24.0	551	533
7x2 x 1.0	19.4	21.5	380	21.0	23.0	561	541	23.5	25.5	666	646
10x2 x 1.0	25.2	28.0	550	26.8	29.5	786	760	29.7	32.5	941	915
12x2 x 1.0	26.1	29.0	627	27.7	30.5	874	847	30.6	33.5	1031	1004
14x2 x 1.0	27.7	30.5	721	29.3	32.0	986	957	32.2	35.0	1148	1120
16x2 x 1.0	29.2	32.5	804	30.8	34.0	1085	1055	33.9	37.0	1269	1239
19x2 x 1.0	31.1	34.0	938	33.2	36.0	1328	1286	36.3	39.5	1522	1480
24x2 x 1.0	36.9	40.5	1197	39.0	42.5	1663	1613	42.5	46.0	1923	1873
27x2 x 1.0	37.7	41.5	1309	39.8	43.5	1789	1738	43.3	47.0	2050	1999
30x2 x 1.0	39.3	43.0	1446	41.4	45.0	1950	1897	44.9	48.5	2217	2163
33x2 x 1.0	41.1	45.0	1586	43.2	47.0	2117	2061	46.9	51.0	2412	2356
37x2 x 1.0	42.7	47.0	1743	44.8	49.0	2299	2241	48.5	52.5	2600	2542
43x2 x 1.0	46.7	51.0	2035	48.8	53.0	2648	2585	52.7	57.0	2992	2929
48x2 x 1.0	49.5	54.0	2263	51.6	56.0	2918	2851	55.7	60.5	3301	3234

CHJPJ/NC, CHJPF/NC Series

(CHJV/NA also can refer below table)

对数x2x截面积 No of pairs x 2 x cross section area	CHJPJ/NC, CHJPF/NC			CHJPJ80/NC, CHJPF80/NC CHJPJ90/NC, CHJPF90/NC				CHJPJ85/NC, CHJPF86/NC CHJPJ95/NC, CHJPF96/NC			
	外径 Over diam. mm		约重 Approx. weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 2xmm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km
1x2 x 1.5	9.6	11.0	95	10.7	12.0	154	147	12.8	14.0	204	197
2x2 x 1.5	14.6	16.5	182	16.2	18.0	314	299	18.5	20.0	393	378
3x2 x 1.5	15.6	17.5	234	17.2	19.0	377	360	19.5	21.0	458	442
4x2 x 1.5	17.3	19.0	298	18.9	21.0	457	440	21.4	23.5	555	537
5x2 x 1.5	18.9	21.0	356	20.5	23.0	531	512	23.0	25.5	634	614
7x2 x 1.5	20.9	23.0	470	22.5	24.5	667	646	25.2	27.5	787	765
10x2 x 1.5	27.4	30.0	691	29.0	31.5	952	924	31.9	34.5	1114	1086
12x2 x 1.5	28.4	31.0	791	30.0	32.5	1065	1036	32.9	35.5	1229	1200
14x2 x 1.5	29.8	33.0	895	31.4	34.5	1185	1155	34.5	37.5	1369	1339
16x2 x 1.5	31.7	35.0	1017	33.8	37.0	1418	1375	36.9	40.0	1612	1569
19x2 x 1.5	33.7	37.0	1187	35.8	39.0	1618	1572	39.1	42.5	1836	1790
24x2 x 1.5	40.0	44.0	1512	42.1	46.0	2027	1973	45.8	50.0	2317	2263
27x2 x 1.5	41.1	45.0	1678	43.2	47.0	2213	2157	46.9	50.5	2504	2448
30x2 x 1.5	42.6	46.5	1832	44.7	49.0	2391	2333	48.4	52.5	2687	2629
33x2 x 1.5	44.6	48.5	2011	46.7	50.5	2601	2540	50.6	54.5	2927	2866
37x2 x 1.5	46.5	50.5	2235	48.6	53.0	2856	2793	52.5	57.0	3188	3125
43x2 x 1.5	50.7	55.5	2582	52.8	57.5	3266	3197	56.9	61.5	3644	3575
48x2 x 1.5	53.7	58.5	2872	55.8	61.0	3603	3530	60.1	65.0	4021	3948
1x2 x 2.5	10.6	12.0	125	12.2	13.5	222	211	14.3	15.5	277	266
2x2 x 2.5	16.2	17.5	240	17.8	19.0	388	371	20.1	21.5	472	456
3x2 x 2.5	17.5	19.0	325	19.1	20.5	487	469	21.6	23.0	584	566
4x2 x 2.5	19.5	21.0	417	21.1	22.5	600	580	23.6	25.0	703	683
5x2 x 2.5	21.4	23.0	501	23.0	24.5	704	682	25.7	27.5	825	803
7x2 x 2.5	23.6	25.5	667	25.2	27.0	896	872	27.9	29.5	1022	998
10x2 x 2.5	30.9	33.0	973	33.0	35.0	1363	1321	36.1	38.5	1554	1512
12x2 x 2.5	32.0	34.0	1122	34.1	36.5	1531	1488	37.4	39.5	1740	1696
14x2 x 2.5	33.9	36.0	1293	36.0	38.5	1731	1685	39.3	41.5	1945	1899
16x2 x 2.5	36.0	38.5	1468	38.1	40.5	1938	1889	41.6	44.0	2178	2129
19x2 x 2.5	38.2	41.0	1715	40.3	43.0	2221	2169	43.8	46.5	2466	2414
24x2 x 2.5	45.3	48.0	2178	47.4	50.5	2783	2722	51.3	54.5	3108	3047
27x2 x 2.5	46.6	49.5	2421	48.7	51.5	3053	2989	52.6	55.5	3376	3313
30x2 x 2.5	48.3	51.5	2651	50.4	53.5	3312	3247	54.5	57.5	3664	3599
33x2 x 2.5	50.5	53.5	2907	52.6	56.0	3605	3537	56.7	60.0	3965	3897
37x2 x 2.5	52.7	56.0	3235	54.8	58.0	3973	3902	59.1	62.5	4364	4293
43x2 x 2.5	57.6	61.0	3765	59.7	63.0	4582	4504	64.2	68.0	5024	4946
48x2 x 2.5	61.0	64.5	4186	63.1	67.0	5061	4979	67.8	71.5	5547	5465

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.

CHJPJ/NC, CHJPF/NC Series

(CHJV/NA also can refer below table)

对数x3x截面积 No of triples x 3 x cross section area	CHJPJ/NC, CHJPF/NC			CHJPJ80/NC, CHJPF80/NC CHJPJ90/NC, CHJPF90/NC				CHJPJ85/NC, CHJPF86/NC CHJPJ95/NC, CHJPF96/NC			
	外径 Over diam. mm		约重 Approx. weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 3 x mm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km
1x3 x 0.75	8.9	10.0	83	10.0	11.5	137	131	12.1	13.5	184	177
2x3 x 0.75	14.1	16.0	162	15.7	17.5	289	274	18.0	20.0	366	351
3x3 x 0.75	15.0	17.0	207	16.6	18.5	343	328	18.9	20.5	422	406
4x3 x 0.75	16.6	18.5	262	18.2	20.0	414	397	20.7	22.5	508	490
5x3 x 0.75	18.2	20.5	311	19.8	22.0	478	460	22.3	24.5	579	560
7x3 x 0.75	20.1	22.5	409	21.7	24.0	597	576	24.2	26.5	702	682
10x3 x 0.75	26.2	29.0	591	27.8	30.5	837	810	30.7	33.5	995	969
12x3 x 0.75	27.1	30.0	674	28.7	31.5	931	904	31.6	34.5	1092	1064
14x3 x 0.75	28.7	31.5	776	30.3	33.0	1051	1022	33.4	36.5	1232	1203
16x3 x 0.75	30.5	33.5	880	32.6	35.5	1261	1219	35.7	39.0	1453	1411
19x3 x 0.75	32.2	35.5	1010	34.3	37.5	1416	1372	37.6	41.0	1630	1586
24x3 x 0.75	38.4	42.0	1306	40.5	44.5	1793	1741	44.0	48.0	2059	2007
27x3 x 0.75	39.3	43.0	1430	41.4	45.0	1933	1880	44.9	48.5	2199	2146
30x3 x 0.75	40.9	45.0	1578	43.0	47.0	2106	2051	46.7	50.5	2398	2343
33x3 x 0.75	42.6	47.0	1711	44.7	49.0	2264	2206	48.4	52.5	2564	2506
37x3 x 0.75	44.5	48.5	1903	46.6	51.0	2486	2426	50.5	55.0	2815	2755
43x3 x 0.75	48.4	53.5	2196	50.5	55.5	2836	2770	54.6	59.5	3210	3144
48x3 x 0.75	51.3	56.5	2443	53.4	58.5	3126	3057	57.5	62.5	3514	3445
1x3 x 1.0	9.5	11.0	98	10.6	12.0	156	150	12.7	14.0	204	198
2x3 x 1.0	15.2	17.0	192	16.8	18.5	329	313	19.1	21.0	410	395
3x3 x 1.0	16.2	18.5	248	17.8	20.0	396	379	20.1	22.0	479	463
4x3 x 1.0	18.0	20.0	316	19.6	21.5	482	463	22.1	24.0	581	563
5x3 x 1.0	19.9	22.0	387	21.5	24.0	572	551	24.0	26.5	678	657
7x3 x 1.0	22.0	24.5	510	23.6	26.0	718	695	26.3	28.5	841	819
10x3 x 1.0	28.6	31.5	734	30.2	33.0	1007	977	33.3	36.0	1189	1160
12x3 x 1.0	29.6	33.0	842	31.2	34.5	1128	1098	34.3	37.5	1311	1281
14x3 x 1.0	31.3	34.5	968	33.4	36.5	1362	1319	36.5	39.5	1554	1512
16x3 x 1.0	33.3	36.5	1098	35.4	38.5	1520	1475	38.7	42.0	1738	1693
19x3 x 1.0	35.2	39.0	1265	37.3	41.0	1716	1668	40.6	44.0	1939	1891
24x3 x 1.0	42.0	46.0	1630	44.1	48.0	2172	2115	47.8	52.0	2471	2414
27x3 x 1.0	42.9	47.0	1787	45.0	49.5	2347	2289	48.7	53.0	2646	2588
30x3 x 1.0	44.8	49.0	1974	46.9	51.0	2564	2503	50.8	55.0	2893	2832
33x3 x 1.0	46.7	51.0	2163	48.8	53.0	2783	2720	52.7	57.0	3119	3055
37x3 x 1.0	48.6	53.5	2383	50.7	55.5	3034	2968	54.8	59.5	3400	3335
43x3 x 1.0	53.2	58.0	2778	55.3	60.5	3498	3427	59.6	64.5	3915	3843
48x3 x 1.0	56.3	61.5	3087	58.4	64.0	3856	3780	62.9	68.5	4317	4241

CHJPJ/NC, CHJPF/NC Series

(CHJV/NA also can refer below table)

对数x3x截面积 No of triples x 3 x cross section area	CHJPJ/NC, CHJPF/NC			CHJPJ80/NC, CHJPF80/NC CHJPJ90/NC, CHJPF90/NC				CHJPJ85/NC, CHJPF86/NC CHJPJ95/NC, CHJPF96/NC			
	外径 Over diam. mm		约重 Approx. weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 3 x mm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x3 x 1.5	10.2	11.5	119	11.8	13.0	212	201	13.9	15.0	265	254
2x3 x 1.5	16.3	18.5	233	17.9	20.0	381	364	20.2	22.5	466	449
3x3 x 1.5	17.6	19.5	314	19.2	21.0	477	459	21.7	23.5	574	556
4x3 x 1.5	19.6	21.5	402	21.2	23.0	585	565	23.7	25.5	689	669
5x3 x 1.5	21.5	24.0	483	23.1	25.5	686	664	25.8	28.5	807	785
7x3 x 1.5	23.7	26.0	640	25.3	27.5	868	844	28.0	30.5	996	971
10x3 x 1.5	31.1	34.0	936	33.2	36.0	1326	1284	36.3	39.5	1519	1477
12x3 x 1.5	32.1	35.5	1077	34.2	37.5	1485	1441	37.5	41.0	1695	1651
14x3 x 1.5	34.0	37.5	1240	36.1	39.5	1677	1630	39.4	43.0	1893	1847
16x3 x 1.5	36.2	39.5	1409	38.3	41.5	1878	1829	41.8	45.5	2120	2071
19x3 x 1.5	38.4	42.0	1644	40.5	44.0	2148	2096	44.0	47.5	2397	2345
24x3 x 1.5	45.6	50.0	2089	47.7	52.0	2693	2631	51.6	56.0	3023	2961
27x3 x 1.5	46.8	51.0	2320	48.9	53.0	2949	2885	52.8	57.0	3277	3214
30x3 x 1.5	48.6	53.0	2539	50.7	55.0	3198	3132	54.8	59.5	3557	3491
33x3 x 1.5	50.7	55.5	2783	52.8	57.5	3477	3408	56.9	62.0	3842	3774
37x3 x 1.5	53.0	58.0	3097	55.1	60.0	3831	3760	59.4	64.5	4230	4158
43x3 x 1.5	57.9	63.0	3604	60.0	65.0	4416	4338	64.5	69.5	4867	4789
48x3 x 1.5	61.3	67.0	4006	63.4	69.0	4875	4792	68.1	74.0	5371	5288
1x3 x 2.5	11.5	12.5	166	13.1	14.5	272	260	15.2	16.5	329	316
2x3 x 2.5	18.4	20.0	326	20.0	21.5	496	477	22.5	24.0	596	577
3x3 x 2.5	19.8	21.5	445	21.4	23.0	632	612	23.9	25.5	735	714
4x3 x 2.5	22.0	24.0	572	23.6	25.5	783	761	26.3	28.0	904	881
5x3 x 2.5	24.2	26.0	692	25.8	27.5	927	902	28.5	30.5	1054	1029
7x3 x 2.5	26.7	28.5	926	28.3	30.5	1193	1166	31.2	33.0	1337	1310
10x3 x 2.5	35.0	37.5	1345	37.1	39.5	1798	1750	40.4	43.0	2015	1968
12x3 x 2.5	36.5	39.0	1577	38.6	41.0	2058	2008	42.1	44.5	2294	2245
14x3 x 2.5	38.6	41.0	1818	40.7	43.5	2333	2281	44.2	47.0	2574	2521
16x3 x 2.5	41.0	43.5	2063	43.1	46.0	2616	2561	46.8	49.5	2886	2830
19x3 x 2.5	43.3	46.0	2394	45.4	48.0	2989	2930	49.1	52.0	3260	3201
24x3 x 2.5	51.8	55.0	3083	53.9	57.0	3804	3734	58.0	61.5	4165	4095
27x3 x 2.5	53.0	56.5	3403	55.1	58.5	4153	4081	59.4	63.0	4536	4465
30x3 x 2.5	55.2	58.5	3759	57.3	60.5	4550	4476	61.6	65.0	4937	4863
33x3 x 2.5	57.6	61.0	4120	59.7	63.0	4955	4877	64.2	68.0	5377	5299
37x3 x 2.5	60.1	64.0	4586	62.2	66.0	5471	5390	66.9	70.5	5925	5844
43x3 x 2.5	65.7	69.5	5331	67.8	71.5	6314	6225	72.7	77.0	6823	6735
48x3 x 2.5	69.6	73.5	5927	71.7	76.0	6982	6888	76.8	81.0	7540	7447

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.

CHJJP/NC Series,CHJFP/NC Series**150/250V**

交联聚乙烯绝缘低烟无卤船用通信电缆

XLPE insulated halogen-free low-smoke shipboard symmetrical communication cable

图例 **Example:****CHJJP86/NC**
7X2X1.5

型号: **CHJJP/NC**
 Type: **CHJJP80/NC**
CHJJP90/NC
CHJJP85/NC
CHJJP95/NC

CHJFP/NC
CHJFP80/NC
CHJFP90/NC
CHJFP86/NC
CHJFP96/NC

用途 Application

船用通信电缆可用于电信、电子计算机、信息处理设备中的信号传输和控制系统。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for telecommunication, computer and information processing unit of shipboard and naval ship and it is also available to metallurgical industry, chemical works, power plant and mining etc.

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	CH	船用通信电缆 Shipboard symmetrical communication 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)
对绞屏蔽 Pair screen	P	镀锡铜丝编织, 或铝箔聚酯复合带+镀锡绞合铜丝泄露线屏蔽 Tinned copper wire braided, or Alu/Polyester tape with a copper drain wire
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

CHJVP/NA Series**150/250V**

交联聚乙烯绝缘船用通信电缆

XLPE insulated shipboard symmetrical communication cable

图例 **Example:****CHJVP82/NA
7X2X0.75**

型号: **CHJVP/NA**
 Type: **CHJVP80/NA**
CHJVP90/NA
CHJVP82/NA
CHJVP92/NA

用途 Application

船用通信电缆可用于电信、电子计算机、信息处理设备中的信号传输和控制系统。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for telecommunication, computer and information processing unit of shipboard and naval ship and it is also available to metallurgical industry, chemical works, power plant and mining etc.

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

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CH	船用通信电缆 Shipboard symmetrical communication 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	V	聚氯乙烯 PVC
对绞屏蔽 Pair screen	P	镀锡铜丝编织, 或铝箔聚酯复合带+镀锡绞合铜丝泄露线屏蔽 Tinned copper wire braided, or Alu/Polyester tape with a copper drain wire
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	NA	耐火 Fire resistant, IEC60331

CHJJP/NC, CHJFP/NC (Al-foil)

(CHJVP/NA Series可参照使用)

对数x2x截面积 No of pairs x 2 x cross section area	CHJJP/NC, CHJPF/NC			CHJJP80/NC, CHJFP80/NC CHJJP90/NC, CHJFP90/NC				CHJJP85/NC, CHJFP86/NC CHJJP95/NC, CHJFP96/NC			
	外径 Over diam. mm		约重 Approx. weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 2xmm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km
1x2 x 0.75	8.7	9.8	77	9.8	11.0	130	124	11.9	13.0	177	171
2x2 x 0.75	14.0	16.0	152	15.6	17.5	278	263	17.9	19.5	356	341
3x2 x 0.75	14.9	16.5	192	16.5	18.5	327	311	18.8	20.5	407	391
4x2 x 0.75	16.6	18.5	243	18.2	20.0	394	377	20.7	22.5	490	473
5x2 x 0.75	18.1	20.0	287	19.7	22.0	452	434	22.2	24.5	555	536
7x2 x 0.75	20.0	22.5	375	21.6	24.0	560	540	24.1	26.5	669	648
10x2 x 0.75	26.0	28.5	542	27.6	30.5	784	757	30.5	34.0	945	919
12x2 x 0.75	26.9	30.0	617	28.5	31.5	870	843	31.4	34.5	1033	1005
14x2 x 0.75	28.5	31.5	708	30.1	33.0	978	949	33.2	36.0	1163	1134
16x2 x 0.75	30.4	34.0	804	32.5	35.5	1180	1139	35.6	38.5	1377	1335
19x2 x 0.75	32.0	35.5	919	34.1	37.5	1318	1275	37.4	41.0	1537	1493
24x2 x 0.75	38.2	42.0	1192	40.3	44.0	1672	1620	43.8	47.5	1942	1890
27x2 x 0.75	39.1	43.0	1302	41.2	45.0	1797	1744	44.7	48.5	2069	2016
30x2 x 0.75	40.5	44.5	1417	42.6	46.5	1933	1878	46.3	50.5	2231	2176
33x2 x 0.75	42.4	46.5	1555	44.5	48.5	2098	2041	48.2	52.5	2405	2348
37x2 x 0.75	44.2	48.5	1726	46.3	50.5	2297	2237	50.2	54.5	2634	2574
43x2 x 0.75	48.2	53.0	1993	50.3	55.0	2620	2555	54.4	59.0	3004	2939
48x2 x 0.75	51.1	56.0	2216	53.2	58.0	2886	2817	57.3	62.5	3286	3216
1x2 x 1.0	9.3	10.5	89	10.4	11.5	146	139	12.5	14.0	194	188
2x2 x 1.0	15.1	17.0	176	16.7	18.5	312	296	19.0	20.5	394	378
3x2 x 1.0	16.1	18.0	225	17.7	19.5	371	354	20.0	22.0	455	439
4x2 x 1.0	17.9	20.0	285	19.5	21.5	449	430	22.0	24.0	550	531
5x2 x 1.0	19.8	22.0	348	21.4	23.5	530	510	23.9	26.0	639	618
7x2 x 1.0	21.6	24.0	445	23.2	25.5	647	624	25.9	28.5	772	750
10x2 x 1.0	28.4	31.0	656	30.0	33.0	923	894	32.9	35.5	1094	1065
12x2 x 1.0	29.3	32.5	747	30.9	34.0	1026	996	34.0	37.0	1214	1184
14x2 x 1.0	31.1	34.0	859	33.2	36.0	1246	1203	36.3	39.5	1443	1401
16x2 x 1.0	33.1	36.0	974	35.2	38.5	1388	1343	38.5	41.5	1612	1566
19x2 x 1.0	34.9	38.5	1116	37.0	40.5	1556	1509	40.3	44.0	1787	1739
24x2 x 1.0	41.6	45.5	1442	43.7	47.5	1971	1914	47.4	51.5	2277	2221
27x2 x 1.0	42.6	46.5	1577	44.7	49.0	2123	2066	48.4	52.5	2432	2374
30x2 x 1.0	44.4	48.5	1740	46.5	50.5	2314	2254	50.4	54.5	2652	2592
33x2 x 1.0	46.3	50.5	1906	48.4	52.5	2509	2446	52.3	56.5	2855	2792
37x2 x 1.0	48.2	52.5	2095	50.3	55.0	2727	2662	54.4	59.0	3106	3041
43x2 x 1.0	52.7	57.5	2442	54.8	59.5	3140	3069	59.1	64.0	3571	3500
48x2 x 1.0	55.8	61.0	2713	57.9	63.0	3458	3383	62.2	67.5	3906	3830

CHJJP/NC, CHJFP/NC (Al-foil)

(CHJVP/NA Series可参照使用)

对数x2x截面积 No of pairs x 2 x cross section area	CHJJP/NC, CHJFP/NC			CHJJP80/NC, CHJFP80/NC CHJJP90/NC, CHJFP90/NC				CHJJP85/NC, CHJFP86/NC CHJJP95/NC, CHJFP96/NC			
	外径 Over diam. mm		约重 Approx. weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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
No.x 2xmm ²											
1x2 x 1.5	9.9	11.5	104	11.0	12.5	165	158	13.1	14.5	216	209
2x2 x 1.5	16.2	18.0	207	17.8	20.0	353	336	20.1	22.0	439	423
3x2 x 1.5	17.4	19.5	275	19.0	21.0	434	416	21.5	23.5	533	515
4x2 x 1.5	19.4	21.5	350	21.0	23.0	529	509	23.5	25.5	635	615
5x2 x 1.5	21.2	23.5	417	22.8	25.0	614	592	25.5	27.5	739	717
7x2 x 1.5	23.4	26.0	550	25.0	27.5	771	747	27.7	30.0	902	878
10x2 x 1.5	30.7	33.5	806	32.8	35.5	1186	1144	35.9	39.0	1384	1342
12x2 x 1.5	31.8	35.0	923	33.9	37.0	1320	1277	37.0	40.0	1520	1476
14x2 x 1.5	33.6	37.0	1060	35.7	39.0	1483	1438	39.0	42.0	1707	1661
16x2 x 1.5	35.8	39.0	1203	37.9	41.0	1657	1609	41.2	44.5	1889	1841
19x2 x 1.5	37.8	41.5	1383	39.9	43.5	1868	1816	43.4	47.0	2126	2074
24x2 x 1.5	45.1	49.5	1781	47.2	51.5	2364	2303	51.1	55.5	2707	2646
27x2 x 1.5	46.3	50.5	1973	48.4	52.5	2579	2516	52.3	56.5	2923	2860
30x2 x 1.5	48.0	52.5	2153	50.1	54.5	2786	2721	54.2	58.5	3161	3096
33x2 x 1.5	50.1	54.5	2359	52.2	56.5	3025	2957	56.3	61.0	3409	3341
37x2 x 1.5	52.3	57.0	2621	54.4	59.0	3324	3253	58.7	63.5	3742	3671
43x2 x 1.5	57.2	62.0	3052	59.3	64.5	3829	3752	63.8	69.0	4302	4225
48x2 x 1.5	60.6	66.0	3391	62.7	68.0	4222	4140	67.4	73.0	4743	4661
1x2 x 2.5	10.9	12.0	135	12.5	13.0	235	223	14.6	16.0	291	279
2x2 x 2.5	18.1	19.5	277	19.7	21.0	442	423	22.2	24.0	544	525
3x2 x 2.5	19.5	21.0	372	21.1	22.5	553	533	23.6	25.0	659	639
4x2 x 2.5	21.5	23.0	466	23.1	25.0	668	646	25.8	27.5	791	769
5x2 x 2.5	23.8	25.5	571	25.4	27.0	797	772	28.1	30.0	929	904
7x2 x 2.5	26.3	28.5	758	27.9	30.0	1013	986	30.8	33.0	1165	1138
10x2 x 2.5	34.5	37.0	1105	36.6	39.0	1540	1493	39.9	42.5	1768	1721
12x2 x 2.5	35.9	38.5	1289	38.0	40.5	1749	1700	41.3	44.0	1977	1928
14x2 x 2.5	37.8	40.5	1464	39.9	42.5	1953	1902	43.4	46.0	2207	2156
16x2 x 2.5	40.2	43.0	1662	42.3	45.0	2187	2132	46.0	48.5	2471	2416
19x2 x 2.5	42.6	45.5	1939	44.7	47.5	2503	2446	48.4	51.5	2794	2736
24x2 x 2.5	50.8	54.0	2485	52.9	56.0	3165	3096	57.0	60.5	3549	3480
27x2 x 2.5	52.1	55.5	2757	54.2	57.5	3465	3394	58.5	62.0	3873	3803
30x2 x 2.5	54.1	57.5	3017	56.2	59.5	3759	3686	60.5	64.0	4174	4101
33x2 x 2.5	56.5	60.0	3306	58.6	62.0	4088	4012	63.1	66.5	4541	4465
37x2 x 2.5	59.0	62.5	3676	61.1	64.5	4504	4424	65.6	69.5	4964	4884
43x2 x 2.5	64.4	68.5	4273	66.5	70.5	5189	5102	71.4	75.5	5740	5653
48x2 x 2.5	68.5	72.5	4781	70.6	74.5	5766	5674	75.7	80.0	6372	6280

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.

CHJJP/NC, CHJFP/NC (Al-foil)

(CHJVP/NA Series可参照使用)

对数x3x截面积 No of triples x 3 x cross section area	CHJJP/NC, CHJFP/NC			CHJJP80/NC, CHJFP80/NC CHJJP90/NC, CHJFP90/NC				CHJJP85/NC, CHJFP86/NC CHJJP95/NC, CHJFP96/NC			
	外径 Over diam. mm		约重 Approx. weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 3 x mm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x3 x 0.75	9.2	10.5	94	10.3	11.5	150	144	12.4	13.5	198	191
2x3 x 0.75	15.5	17.5	191	17.1	19.0	331	315	19.4	21.5	413	397
3x3 x 0.75	16.8	18.5	253	18.4	20.5	406	389	20.9	23.0	502	484
4x3 x 0.75	18.4	20.5	312	20.0	22.0	481	462	22.5	24.5	583	564
5x3 x 0.75	20.4	22.5	382	22.0	24.5	571	550	24.5	27.0	680	659
7x3 x 0.75	22.5	25.0	502	24.1	26.5	714	691	26.8	29.0	840	817
10x3 x 0.75	29.3	32.5	723	30.9	34.0	1001	971	34.0	37.0	1188	1158
12x3 x 0.75	30.5	33.5	841	32.6	35.5	1220	1178	35.7	39.0	1413	1372
14x3 x 0.75	32.1	35.5	951	34.2	37.5	1353	1309	37.5	41.0	1569	1525
16x3 x 0.75	34.2	37.5	1079	36.3	39.5	1510	1463	39.6	43.0	1735	1689
19x3 x 0.75	36.3	40.0	1257	38.4	42.0	1719	1670	41.9	45.5	1970	1921
24x3 x 0.75	43.0	47.5	1599	45.1	49.5	2151	2092	48.8	53.5	2459	2401
27x3 x 0.75	44.2	48.5	1772	46.3	50.5	2345	2285	50.2	54.5	2679	2619
30x3 x 0.75	45.9	50.5	1934	48.0	52.5	2534	2472	51.9	56.5	2874	2812
33x3 x 0.75	47.9	52.5	2120	50.0	54.5	2751	2686	53.9	58.5	3098	3033
37x3 x 0.75	50.0	54.5	2355	52.1	55.0	3020	2952	56.2	61.0	3401	3333
43x3 x 0.75	54.7	59.5	2744	56.8	62.0	3479	3405	61.1	66.0	3912	3838
48x3 x 0.75	57.9	63.5	3048	60.0	65.5	3833	3754	64.5	70.0	4311	4233
1x3 x 1.0	9.8	11.0	110	10.9	12.0	170	164	13.0	14.5	219	212
2x3 x 1.0	17.0	19.0	231	18.6	20.5	385	367	21.1	23.0	483	465
3x3 x 1.0	18.1	20.0	299	19.7	21.5	465	446	22.2	24.0	565	546
4x3 x 1.0	20.1	22.5	380	21.7	24.0	566	546	24.2	26.5	674	653
5x3 x 1.0	22.3	24.5	465	23.9	26.0	673	650	26.6	29.0	801	778
7x3 x 1.0	24.3	27.0	600	25.9	28.5	831	806	28.6	31.5	964	939
10x3 x 1.0	31.9	34.0	879	34.0	37.5	1275	1232	37.1	40.5	1477	1433
12x3 x 1.0	33.2	36.5	1024	35.3	38.5	1441	1396	38.6	42.0	1662	1616
14x3 x 1.0	35.0	38.5	1160	37.1	40.5	1604	1556	40.4	44.0	1831	1783
16x3 x 1.0	37.2	41.0	1316	39.3	43.0	1791	1740	42.8	46.5	2046	1995
19x3 x 1.0	39.5	43.0	1534	41.6	45.5	2045	1991	45.1	49.0	2307	2253
24x3 x 1.0	47.1	51.5	1972	49.2	53.5	2586	2523	53.1	57.5	2935	2871
27x3 x 1.0	48.1	52.5	2162	50.2	55.0	2797	2732	54.3	59.0	3169	3104
30x3 x 1.0	50.2	55.0	2386	52.3	55.0	3055	2987	56.4	61.0	3435	3368
33x3 x 1.0	52.4	57.0	2613	54.5	59.0	3317	3246	58.8	63.5	3734	3663
37x3 x 1.0	54.7	59.5	2903	56.8	61.5	3646	3572	61.1	66.0	4071	3997
43x3 x 1.0	59.8	65.0	3378	61.9	67.0	4200	4119	66.4	71.5	4681	4600
48x3 x 1.0	63.3	69.0	3752	65.4	71.0	4630	4545	70.1	76.0	5160	5074

CHJJP/NC, CHJFP/NC (Al-foil)

(CHJVP/NA Series可参照使用)

对数x3x截面积 No of triples x 3 x cross section area No.x 3 x mm ²	CHJJP/NC, CHJFP/NC			CHJJP80/NC, CHJFP80/NC CHJJP90/NC, CHJFP90/NC				CHJJP85/NC, CHJFP86/NC CHJJP95/NC, CHJFP96/NC			
	外径 Over diam. mm		约重 Approx. weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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
1x3 x 1.5	10.5	12.0	131	12.1	13.5	227	216	14.2	15.5	281	270
2x3 x 1.5	18.2	20.0	275	19.8	22.0	441	422	22.3	24.5	542	524
3x3 x 1.5	19.6	21.5	369	21.2	23.0	551	530	23.7	25.5	656	636
4x3 x 1.5	21.6	24.0	461	23.2	25.5	663	641	25.9	28.5	787	765
5x3 x 1.5	23.9	26.5	565	25.5	28.0	791	767	28.2	30.5	923	899
7x3 x 1.5	26.4	29.0	749	28.0	30.5	1005	978	30.9	33.5	1156	1129
10x3 x 1.5	34.6	38.0	1092	36.7	40.0	1528	1481	40.0	43.5	1756	1708
12x3 x 1.5	36.0	39.5	1274	38.1	41.5	1734	1685	41.6	45.0	1982	1933
14x3 x 1.5	37.9	41.5	1447	40.0	43.5	1936	1885	43.5	47.5	2190	2138
16x3 x 1.5	40.3	44.0	1641	42.4	46.0	2166	2111	46.1	50.0	2451	2396
19x3 x 1.5	42.8	47.0	1916	44.9	49.0	2481	2423	48.6	52.5	2773	2715
24x3 x 1.5	50.9	55.5	2454	53.0	58.0	3134	3065	57.1	62.0	3518	3449
27x3 x 1.5	52.3	57.0	2723	54.4	59.0	3431	3360	58.7	63.5	3842	3771
30x3 x 1.5	54.5	59.0	3004	56.6	61.5	3750	3676	60.9	66.0	4168	4094
33x3 x 1.5	56.7	62.0	3264	58.8	64.0	4046	3970	63.3	68.5	4502	4425
37x3 x 1.5	59.1	64.5	3628	61.2	66.5	4455	4375	65.7	71.0	4916	4836
43x3 x 1.5	64.6	70.5	4219	66.7	72.5	5134	5047	71.6	77.5	5687	5600
48x3 x 1.5	68.7	74.5	4720	70.8	76.5	5705	5612	75.9	82.0	6313	6221
1x3 x 2.5	11.8	13.0	180	13.4	14.5	289	277	15.5	16.5	346	334
2x3 x 2.5	20.4	22.0	372	22.0	23.5	560	539	24.5	26.0	670	649
3x3 x 2.5	22.0	24.0	507	23.6	25.5	715	692	26.3	28.0	838	815
4x3 x 2.5	24.2	26.0	638	25.8	27.5	870	845	28.5	30.5	1000	975
5x3 x 2.5	26.8	29.0	783	28.4	30.5	1043	1016	31.3	33.5	1197	1169
7x3 x 2.5	29.6	31.5	1046	31.2	33.5	1342	1312	34.3	36.5	1516	1485
10x3 x 2.5	39.0	41.5	1536	41.1	43.5	2041	1988	44.6	47.5	2299	2246
12x3 x 2.5	40.4	43.0	1778	42.5	45.0	2311	2256	46.2	49.0	2589	2534
14x3 x 2.5	42.8	45.5	2048	44.9	47.5	2620	2562	48.6	51.5	2905	2847
16x3 x 2.5	45.5	48.5	2324	47.6	50.5	2939	2877	51.5	54.5	3256	3194
19x3 x 2.5	48.2	51.5	2716	50.3	53.5	3380	3314	54.4	57.5	3725	3660
24x3 x 2.5	57.6	61.0	3494	59.7	63.0	4298	4220	64.2	68.0	4750	4673
27x3 x 2.5	58.9	62.5	3852	61.0	64.5	4688	4608	65.5	69.0	5136	5056
30x3 x 2.5	61.4	65.0	4253	63.5	67.0	5136	5053	68.2	72.0	5620	5537
33x3 x 2.5	64.1	68.0	4658	66.2	70.0	5590	5503	71.1	75.0	6116	6030
37x3 x 2.5	66.8	71.0	5180	68.9	73.0	6167	6077	73.8	78.0	6697	6607
43x3 x 2.5	73.0	77.5	6017	75.1	79.5	7113	7014	80.4	85.0	7743	7645
48x3 x 2.5	77.5	82.0	6722	79.6	84.0	7901	7797	85.1	90.0	8590	8486

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.

CHJJP/NC, CHJFP/NC (铜丝)

(CHJVP/NA Series可参照使用)

对数x2x截面积 No of pairs x 2 x cross section area	CHJJP/NC, CHJFP/NC			CHJJP80/NC, CHJFP80/NC CHJJP90/NC, CHJFP90/NC				CHJJP85/NC, CHJFP86/NC CHJJP95/NC, CHJFP96/NC			
	外径 Over diam. mm		约重 Approx. weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 2xmm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x2 x 0.75	9.4	10.5	131	10.5	12.0	190	184	12.6	14.0	237	231
2x2 x 0.75	15.2	17.0	259	16.8	18.5	400	384	19.1	21.0	478	463
3x2 x 0.75	16.2	18.0	349	17.8	20.0	502	485	20.1	22.0	581	564
4x2 x 0.75	18.0	20.0	451	19.6	21.5	624	605	22.1	24.0	717	698
5x2 x 0.75	19.9	22.0	555	21.5	23.5	748	728	24.0	26.0	847	826
7x2 x 0.75	22.0	24.5	745	23.6	26.0	965	942	26.3	28.5	1077	1055
10x2 x 0.75	28.5	31.5	1069	30.1	33.0	1358	1328	33.2	36.0	1523	1494
12x2 x 0.75	29.5	32.5	1243	31.1	34.0	1548	1518	34.2	37.5	1713	1683
14x2 x 0.75	31.3	34.5	1437	33.4	36.5	1855	1812	36.5	39.5	2025	1983
16x2 x 0.75	33.3	36.5	1635	35.4	38.5	2084	2039	38.7	42.0	2276	2231
19x2 x 0.75	35.1	38.5	1901	37.2	41.0	2383	2335	40.5	44.0	2575	2527
24x2 x 0.75	41.9	46.0	2434	44.0	48.0	3016	2959	47.7	51.5	3275	3218
27x2 x 0.75	42.8	47.0	2692	44.9	49.0	3296	3238	48.6	53.0	3550	3492
30x2 x 0.75	44.6	48.5	2978	46.7	51.0	3616	3555	50.6	55.0	3894	3834
33x2 x 0.75	46.6	51.0	3269	48.7	53.0	3943	3880	52.6	57.0	4224	4161
37x2 x 0.75	48.5	53.0	3623	50.6	55.0	4335	4269	54.7	59.5	4640	4574
43x2 x 0.75	53.0	58.0	4217	55.1	60.0	5007	4936	59.4	64.5	5352	5281
48x2 x 0.75	56.2	61.5	4696	58.3	63.5	5545	5469	62.8	68.0	5925	5849
1x2 x 1.0	10.0	11.5	147	11.1	12.5	210	203	13.2	14.5	260	253
2x2 x 1.0	16.2	18.5	292	17.8	20.0	442	426	20.1	22.0	524	507
3x2 x 1.0	17.5	19.5	403	19.1	21.0	569	551	21.6	23.5	662	644
4x2 x 1.0	19.5	21.5	520	21.1	23.0	708	688	23.6	25.5	807	787
5x2 x 1.0	21.3	24.0	630	22.9	25.5	838	817	25.6	28.0	953	931
7x2 x 1.0	23.6	26.0	848	25.2	27.5	1086	1062	27.9	30.5	1203	1179
10x2 x 1.0	30.9	34.0	1232	33.0	36.0	1635	1593	36.1	39.0	1813	1770
12x2 x 1.0	32.0	35.0	1433	34.1	37.5	1858	1814	37.4	40.5	2051	2007
14x2 x 1.0	33.8	37.0	1655	35.9	39.0	2110	2064	39.2	42.5	2305	2259
16x2 x 1.0	36.0	39.5	1882	38.1	41.5	2372	2323	41.6	45.0	2592	2543
19x2 x 1.0	38.2	41.5	2207	40.3	44.0	2737	2685	43.8	47.5	2957	2905
24x2 x 1.0	45.3	49.5	2799	47.4	51.5	3435	3374	51.3	55.5	3729	3668
27x2 x 1.0	46.5	50.5	3119	48.6	52.5	3784	3721	52.5	56.5	4072	4009
30x2 x 1.0	48.3	52.5	3427	50.4	55.0	4127	4062	54.5	59.0	4441	4375
33x2 x 1.0	50.4	55.0	3760	52.5	57.0	4499	4431	56.6	61.5	4815	4747
37x2 x 1.0	52.6	57.0	4191	54.7	59.5	4976	4905	59.0	64.0	5318	5247
43x2 x 1.0	57.5	62.5	4876	59.6	64.5	5748	5670	64.1	69.0	6133	6055
48x2 x 1.0	61.0	66.5	5428	63.1	68.5	6365	6283	67.8	73.5	6789	6707

CHJJP/NC, CHJFP/NC (铜丝)

(CHJVP/NA Series可参照使用)

对数x2x截面积 No of pairs x 2 x cross section area	CHJJP/NC, CHJFP/NC			CHJJP80/NC, CHJFP80/NC CHJJP90/NC, CHJFP90/NC				CHJJP85/NC, CHJFP86/NC CHJJP95/NC, CHJFP96/NC			
	外径 Over diam. mm		约重 Approx. weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 2xmm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x2 x 1.5	10.6	12.0	167	12.2	13.5	266	255	14.3	15.5	319	308
2x2 x 1.5	17.5	19.5	340	19.1	21.0	503	485	21.6	23.5	599	581
3x2 x 1.5	18.7	21.0	461	20.3	22.5	640	621	22.8	25.0	736	717
4x2 x 1.5	20.8	23.0	596	22.4	24.5	799	777	25.1	27.0	912	890
5x2 x 1.5	23.0	25.5	734	24.6	27.0	961	938	27.3	29.5	1081	1057
7x2 x 1.5	25.4	28.0	987	27.0	29.5	1246	1220	29.9	32.5	1381	1355
10x2 x 1.5	33.2	36.0	1431	35.3	38.5	1869	1823	38.6	41.5	2070	2025
12x2 x 1.5	34.4	37.5	1666	36.5	39.5	2128	2082	39.8	43.0	2328	2281
14x2 x 1.5	36.4	39.5	1925	38.5	42.0	2422	2372	42.0	45.5	2642	2592
16x2 x 1.5	38.7	42.0	2188	40.8	44.0	2723	2670	44.3	48.0	2948	2895
19x2 x 1.5	41.1	45.0	2567	43.2	47.0	3147	3091	46.9	50.5	3393	3337
24x2 x 1.5	48.7	53.0	3253	50.8	55.0	3949	3883	54.9	59.5	4274	4208
27x2 x 1.5	50.0	54.5	3625	52.1	56.5	4353	4286	56.2	60.5	4672	4605
30x2 x 1.5	52.1	56.5	4008	54.2	58.5	4778	4708	58.5	63.0	5125	5054
33x2 x 1.5	54.4	59.0	4397	56.5	61.0	5211	5138	60.8	65.5	5560	5487
37x2 x 1.5	56.6	61.5	4874	58.7	63.5	5736	5660	63.2	68.5	6112	6035
43x2 x 1.5	61.8	67.0	5667	63.9	69.5	6625	6541	68.6	74.0	7046	6962
48x2 x 1.5	65.7	71.0	6338	67.8	73.5	7371	7283	72.7	78.5	7833	7745
1x2 x 2.5	11.8	13.0	211	13.4	14.5	322	309	15.5	16.5	378	366
2x2 x 2.5	19.5	21.0	428	21.1	22.5	612	592	23.6	25.0	714	694
3x2 x 2.5	20.8	22.5	582	22.4	24.0	784	763	25.1	27.0	898	876
4x2 x 2.5	23.1	25.0	753	24.7	26.5	982	958	27.4	29.0	1101	1078
5x2 x 2.5	25.6	27.5	928	27.2	29.0	1186	1160	30.1	32.0	1326	1299
7x2 x 2.5	28.2	30.5	1251	29.8	32.0	1546	1517	32.7	35.0	1686	1657
10x2 x 2.5	37.0	39.5	1810	39.1	41.5	2308	2257	42.6	45.0	2538	2488
12x2 x 2.5	38.5	41.0	2130	40.6	43.0	2660	2607	44.1	46.5	2886	2834
14x2 x 2.5	40.5	43.0	2441	42.6	45.5	3008	2953	46.3	49.0	3255	3200
16x2 x 2.5	43.1	46.0	2776	45.2	48.0	3388	3329	48.9	52.0	3640	3581
19x2 x 2.5	45.7	48.5	3257	47.8	50.5	3921	3859	51.7	54.5	4195	4133
24x2 x 2.5	54.7	58.0	4177	56.8	60.0	4984	4910	61.1	64.5	5347	5273
27x2 x 2.5	55.9	59.5	4627	58.0	61.5	5469	5394	62.3	66.0	5821	5745
30x2 x 2.5	58.2	62.0	5115	60.3	64.0	6006	5928	64.8	68.5	6386	6308
33x2 x 2.5	60.8	64.5	5611	62.9	66.5	6555	6473	67.6	71.5	6967	6885
37x2 x 2.5	63.4	67.0	6252	65.5	69.5	7256	7171	70.2	74.0	7665	7579
43x2 x 2.5	69.3	73.5	7265	71.4	75.5	8383	8290	76.5	81.0	8874	8781
48x2 x 2.5	73.6	78.0	8118	75.7	80.0	9325	9226	81.0	85.5	9860	9761

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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CHJJP/NC, CHJPFP/NC (铜丝)

(CHJVP/NA Series可参照使用)

对数x3x截面积 No of triples x 3 x cross section area	CHJJP/NC, CHJPFP/NC			CHJJP80/NC, CHJPFP80/NC CHJJP90/NC, CHJPFP90/NC				CHJJP85/NC, CHJPFP86/NC CHJJP95/NC, CHJPFP96/NC			
	外径 Over diam. mm		约重 Approx. weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 3 x mm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x3 x 0.75	9.6	11.0	150	10.7	12.0	211	205	12.8	14.0	257	251
2x3 x 0.75	16.6	18.5	311	18.2	20.0	465	448	20.7	22.5	557	539
3x3 x 0.75	17.7	19.5	419	19.3	21.0	588	570	21.8	24.0	680	662
4x3 x 0.75	19.6	22.0	541	21.2	23.5	731	711	23.7	26.0	828	807
5x3 x 0.75	21.5	24.0	656	23.1	25.5	867	845	25.8	28.5	980	958
7x3 x 0.75	23.8	26.5	884	25.4	28.0	1125	1101	28.1	30.5	1241	1216
10x3 x 0.75	31.2	34.0	1284	33.3	36.5	1693	1650	36.4	39.5	1869	1826
12x3 x 0.75	32.3	34.0	1495	34.4	37.5	1926	1882	37.7	41.0	2117	2073
14x3 x 0.75	34.2	37.5	1728	36.3	39.5	2191	2145	39.6	43.0	2384	2337
16x3 x 0.75	36.3	40.0	1964	38.4	42.0	2462	2412	41.9	45.5	2678	2628
19x3 x 0.75	38.6	42.0	2305	40.7	44.5	2845	2792	44.2	48.0	3061	3009
24x3 x 0.75	45.8	50.0	2924	47.9	52.5	3572	3510	51.8	56.5	3861	3799
27x3 x 0.75	47.0	51.5	3258	49.1	53.5	3936	3872	53.0	55.0	4219	4156
30x3 x 0.75	49.0	53.5	3604	51.1	55.5	4321	4254	55.2	60.0	4630	4563
33x3 x 0.75	50.9	56.0	3929	53.0	58.0	4682	4613	57.1	62.0	4993	4924
37x3 x 0.75	53.2	58.0	4382	55.3	60.5	5183	5111	59.6	64.5	5519	5447
43x3 x 0.75	58.1	63.5	5097	60.2	65.5	5986	5908	64.7	70.5	6364	6286
48x3 x 0.75	61.6	67.0	5674	63.7	69.5	6630	6547	68.4	74.0	7046	6963
1x3 x 1.0	10.3	11.5	171	11.9	13.0	268	257	14.0	15.5	318	307
2x3 x 1.0	17.8	20.0	354	19.4	21.5	520	502	21.9	24.0	616	597
3x3 x 1.0	19.0	21.0	480	20.6	23.0	662	643	23.1	25.5	758	739
4x3 x 1.0	21.1	23.5	621	22.7	25.0	827	806	25.4	27.5	939	918
5x3 x 1.0	23.4	25.5	765	25.0	27.5	997	973	27.7	30.0	1116	1092
7x3 x 1.0	25.8	28.5	1030	27.4	30.0	1295	1268	30.3	33.0	1429	1402
10x3 x 1.0	33.8	37.0	1493	35.9	39.0	1940	1894	39.2	42.5	2142	2096
12x3 x 1.0	35.0	38.5	1739	37.1	40.5	2212	2164	40.4	44.0	2410	2362
14x3 x 1.0	37.1	41.0	2010	39.2	43.0	2519	2468	42.7	46.5	2739	2688
16x3 x 1.0	39.4	43.0	2285	41.5	45.0	2832	2779	45.0	48.5	3057	3003
19x3 x 1.0	41.8	45.5	2681	43.9	47.5	3274	3217	47.6	51.5	3518	3462
24x3 x 1.0	49.8	54.5	3421	51.9	56.5	4137	4070	56.0	60.5	4463	4395
27x3 x 1.0	50.9	55.5	3787	53.0	58.0	4533	4464	57.1	62.0	4851	4782
30x3 x 1.0	53.1	58.0	4189	55.2	60.0	4979	4907	59.5	64.5	5324	5252
33x3 x 1.0	55.4	60.5	4595	57.5	62.5	5430	5355	61.8	67.0	5777	5702
37x3 x 1.0	57.8	63.0	5121	59.9	65.0	6008	5930	64.4	69.5	6382	6304
43x3 x 1.0	63.2	68.5	5954	65.3	71.0	6941	6856	70.0	75.5	7360	7275
48x3 x 1.0	67.0	73.0	6626	69.1	75.0	7688	7597	74.0	80.0	8148	8057

CHJJP/NC, CHJFP/NC (铜丝)

(CHJVP/NA Series可参照使用)

对数x3x截面积 No of triples x 3 x cross section area	CHJJP/NC, CHJFP/NC			CHJJP80/NC, CHJFP80/NC CHJJP90/NC, CHJFP90/NC				CHJJP85/NC, CHJFP86/NC CHJJP95/NC, CHJFP96/NC			
	外径 Over diam. mm		约重 Approx. weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 3 x mm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x3 x 1.5	10.9	12.5	197	12.5	14.0	300	288	14.6	16.0	352	340
2x3 x 1.5	19.0	21.0	407	20.6	23.0	586	566	23.1	25.5	686	666
3x3 x 1.5	20.5	22.5	566	22.1	24.0	765	744	24.8	27.0	876	855
4x3 x 1.5	22.8	25.0	732	24.4	26.5	958	934	27.1	29.5	1075	1052
5x3 x 1.5	25.2	27.5	902	26.8	29.5	1156	1130	29.7	32.5	1292	1266
7x3 x 1.5	27.8	30.5	1215	29.4	32.0	1505	1477	32.3	35.0	1642	1614
10x3 x 1.5	36.5	40.0	1758	38.6	42.0	2248	2198	42.1	45.5	2475	2426
12x3 x 1.5	37.7	41.5	2050	39.8	43.5	2567	2516	43.3	47.0	2790	2738
14x3 x 1.5	39.9	43.5	2369	42.0	46.0	2926	2872	45.5	49.5	3149	3095
16x3 x 1.5	42.5	46.5	2694	44.6	48.5	3295	3237	48.3	52.5	3545	3488
19x3 x 1.5	45.1	49.5	3162	47.2	51.5	3814	3753	51.1	55.5	4086	4025
24x3 x 1.5	53.7	58.5	4030	55.8	60.5	4818	4746	60.1	65.0	5177	5104
27x3 x 1.5	55.1	60.0	4490	57.2	62.0	5317	5242	61.5	66.5	5666	5591
30x3 x 1.5	57.4	62.5	4964	59.5	64.5	5839	5762	64.0	69.0	6217	6139
33x3 x 1.5	59.9	65.0	5444	62.0	67.0	6370	6289	66.5	71.5	6748	6668
37x3 x 1.5	62.5	67.5	6066	64.6	70.0	7051	6967	69.3	74.5	7457	7373
43x3 x 1.5	68.3	74.0	7049	70.4	76.0	8146	8054	75.5	81.5	8634	8542
48x3 x 1.5	72.3	78.5	7842	74.4	80.5	9021	8924	79.7	86.0	9552	9455
1x3 x 2.5	12.2	13.5	254	13.8	15.0	370	357	15.9	17.0	425	413
2x3 x 2.5	21.3	23.0	523	22.9	24.5	726	704	25.6	27.5	844	822
3x3 x 2.5	22.9	24.5	729	24.5	26.5	955	932	27.2	29.0	1073	1049
4x3 x 2.5	25.5	27.5	945	27.1	29.0	1203	1177	30.0	32.0	1340	1314
5x3 x 2.5	28.2	30.5	1165	29.8	32.0	1456	1427	32.7	35.0	1599	1570
7x3 x 2.5	31.1	33.5	1574	33.2	35.5	1996	1954	36.3	38.5	2157	2114
10x3 x 2.5	40.9	43.5	2290	43.0	45.5	2854	2798	46.7	49.5	3110	3055
12x3 x 2.5	42.4	45.0	2677	44.5	47.5	3276	3219	48.2	51.0	3526	3468
14x3 x 2.5	44.8	47.5	3092	46.9	50.0	3738	3677	50.8	54.0	4010	3950
16x3 x 2.5	47.6	50.5	3515	49.7	52.5	4212	4148	53.6	56.5	4488	4423
19x3 x 2.5	50.5	53.5	4126	52.6	56.0	4885	4817	56.7	60.0	5182	5113
24x3 x 2.5	60.4	64.0	5278	62.5	66.0	6201	6120	67.2	71.0	6624	6543
27x3 x 2.5	61.7	65.5	5852	63.8	67.5	6818	6735	68.5	72.5	7226	7142
30x3 x 2.5	64.3	68.0	6471	66.4	70.5	7496	7409	71.3	75.5	7933	7847
33x3 x 2.5	67.1	71.0	7096	69.2	73.0	8182	8092	74.1	78.0	8620	8529
37x3 x 2.5	70.0	74.0	7910	72.1	76.0	9068	8974	77.2	81.5	9532	9438
43x3 x 2.5	76.7	81.0	9223	78.8	83.5	10519	10416	84.3	89.0	11072	10969
48x3 x 2.5	81.4	86.0	10297	83.5	88.0	11697	11588	89.2	94.0	12297	12187

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CHJ85/NC Series, CHJ86/NC Series**150/250V**

交联聚乙烯绝缘低烟无卤无内套通信电缆

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

图例 **Example:**型号: **CHJ85/NC**Type: **CHJ86/NC****CHJ85/NC****7X2X0.75****用途 Application**

船用通信电缆可用于电信、电子计算机、信息处理设备中的信号传输和控制系统。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for telecommunication, computer and information processing unit of shipboard and naval ship and it is also available to metallurgical industry, chemical works, power plant and mining etc.

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	CH	船用通信电缆 Shipboard symmetrical communication 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

CHJ85/NC, CHJ86/NC

对数x2x截面 No of pairs x 2 x cross section area	外径 Over diam. mm		约重 Approx. weight	对数x2x截面 No of pairs x 2 x cross section area	外径 Over diam. mm		约重 Approx. weight
	标称	最大			标称	最大	
No.x 2xmm ²	Nom.	Max.	kg/km	No.x 2xmm ²	Nom.	Max.	kg/km
1x2 x 0.75	9.4	10.5	110	1x2 x 1.5	10.6	12.0	142
2x2 x 0.75	13.4	15.0	186	2x2 x 1.5	16.1	18.0	292
3x2 x 0.75	14.9	16.5	264	3x2 x 1.5	17.3	19.0	361
4x2 x 0.75	16.2	18.0	311	4x2 x 1.5	18.8	21.0	430
5x2 x 0.75	17.8	20.0	367	5x2 x 1.5	20.6	23.0	510
7x2 x 0.75	19.5	21.5	453	7x2 x 1.5	22.6	25.0	640
10x2 x 0.75	24.8	27.5	635	10x2 x 1.5	28.9	31.5	900
12x2 x 0.75	25.6	28.0	702	12x2 x 1.5	30.1	33.0	1023
14x2 x 0.75	26.8	29.5	777	14x2 x 1.5	31.5	34.5	1139
16x2 x 0.75	28.4	31.5	868	16x2 x 1.5	33.4	36.5	1276
19x2 x 0.75	30.1	33.0	988	19x2 x 1.5	35.2	38.5	1446
24x2 x 0.75	35.2	38.5	1227	24x2 x 1.5	42.2	46.0	1944
27x2 x 0.75	36.7	40.0	1430	27x2 x 1.5	43.1	47.0	2101
30x2 x 0.75	37.9	41.5	1537	30x2 x 1.5	44.8	49.0	2292
33x2 x 0.75	39.6	43.5	1668	33x2 x 1.5	46.8	51.0	2492
37x2 x 0.75	41.2	45.0	1826	37x2 x 1.5	48.5	53.0	2714
43x2 x 0.75	44.7	49.0	2083	43x2 x 1.5	52.9	57.5	3130
48x2 x 0.75	47.3	51.5	2294	48x2 x 1.5	55.9	61.0	3451
1x2 x 1.0	10.0	11.5	124	1x2 x 2.5	11.8	13.0	183
2x2 x 1.0	15.1	17.0	255	2x2 x 2.5	17.9	19.5	372
3x2 x 1.0	16.0	18.0	303	3x2 x 2.5	19	20.5	459
4x2 x 1.0	17.6	19.5	367	4x2 x 2.5	21	22.5	565
5x2 x 1.0	19.3	21.5	434	5x2 x 2.5	23.1	25.0	676
7x2 x 1.0	20.9	23.0	528	7x2 x 2.5	25.3	27.0	859
10x2 x 1.0	26.7	29.5	742	10x2 x 2.5	32.4	34.5	1210
12x2 x 1.0	27.8	30.5	839	12x2 x 2.5	33.7	36.0	1384
14x2 x 1.0	29.2	32.0	933	14x2 x 2.5	35.6	38.0	1570
16x2 x 1.0	30.9	34.0	1042	16x2 x 2.5	38.2	41.0	1856
19x2 x 1.0	32.8	36.0	1191	19x2 x 2.5	40.2	43.0	2108
24x2 x 1.0	39.1	43.0	1595	24x2 x 2.5	47.5	50.5	2667
27x2 x 1.0	39.9	43.5	1716	27x2 x 2.5	48.6	51.5	2901
30x2 x 1.0	41.5	45.5	1870	30x2 x 2.5	50.5	53.5	3172
33x2 x 1.0	43.1	47.0	2009	33x2 x 2.5	52.7	56.0	3452
37x2 x 1.0	44.9	49.0	2204	37x2 x 2.5	54.9	58.5	3804
43x2 x 1.0	48.7	53.0	2516	43x2 x 2.5	59.8	63.5	4386
48x2 x 1.0	51.7	56.5	2797	48x2 x 2.5	63.2	67.0	4844

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CHJ85/NC, CHJ86/NC

对数x3x截面 No of pairs x 3 x cross section area	外径 Over diam. mm		约重 Approx. weight	对数x3x截面 No of pairs x 3 x cross section area	外径 Over diam. mm		约重 Approx. weight
	标称	最大			标称	最大	
No.x 3xmm ²	Nom.	Max.	kg/km	No.x 3xmm ²	Nom.	Max.	kg/km
1x3 x 0.75	9.9	11.5	127	1x3 x 1.5	11.4	13.0	174
2x3 x 0.75	15.6	17.5	269	2x3 x 1.5	18.0	20.0	366
3x3 x 0.75	16.7	18.5	328	3x3 x 1.5	19.3	21.5	457
4x3 x 0.75	18.1	20.0	388	4x3 x 1.5	21.1	23.0	552
5x3 x 0.75	19.9	22.0	459	5x3 x 1.5	23.2	25.5	658
7x3 x 0.75	21.6	24.0	562	7x3 x 1.5	25.4	28.0	834
10x3 x 0.75	27.9	30.5	804	10x3 x 1.5	32.8	36.0	1190
12x3 x 0.75	28.8	31.5	896	12x3 x 1.5	33.8	37.0	1339
14x3 x 0.75	30.4	33.5	1010	14x3 x 1.5	35.7	39.0	1518
16x3 x 0.75	32.0	35.0	1114	16x3 x 1.5	38.4	42.0	1799
19x3 x 0.75	33.9	37.0	1273	19x3 x 1.5	40.4	44.0	2039
24x3 x 0.75	40.4	44.5	1701	24x3 x 1.5	47.8	52.0	2582
27x3 x 0.75	41.5	45.5	1854	27x3 x 1.5	49	53.5	2824
30x3 x 0.75	42.9	47.0	1999	30x3 x 1.5	50.8	55.0	3064
33x3 x 0.75	44.8	49.0	2171	33x3 x 1.5	52.9	57.5	3330
37x3 x 0.75	46.7	51.0	2382	37x3 x 1.5	55.2	60.0	3668
43x3 x 0.75	50.6	55.5	2719	43x3 x 1.5	60.1	65.0	4228
48x3 x 0.75	53.5	58.5	2997	48x3 x 1.5	63.5	69.0	4667
1x3 x 1.0	10.5	12.0	144	1x3 x 2.5	12.5	14.0	223
2x3 x 1.0	16.9	19.0	316	2x3 x 2.5	20.1	22.0	476
3x3 x 1.0	17.9	20.0	380	3x3 x 2.5	21.3	23.0	596
4x3 x 1.0	19.7	22.0	463	4x3 x 2.5	23.5	25.5	740
5x3 x 1.0	21.4	24.0	539	5x3 x 2.5	25.9	28.0	889
7x3 x 1.0	23.5	26.0	678	7x3 x 2.5	28.4	30.5	1143
10x3 x 1.0	30.3	33.5	968	10x3 x 2.5	37.2	39.5	1723
12x3 x 1.0	31.3	34.5	1083	12x3 x 2.5	38.7	41.5	1971
14x3 x 1.0	33.0	36.0	1223	14x3 x 2.5	40.6	43.5	2215
16x3 x 1.0	34.8	38.0	1354	16x3 x 2.5	43	46.0	2485
19x3 x 1.0	37.4	41.0	1645	19x3 x 2.5	45.5	48.5	2861
24x3 x 1.0	44.2	48.0	2083	24x3 x 2.5	53.8	57.0	3617
27x3 x 1.0	45.1	49.5	2250	27x3 x 2.5	55.2	58.5	3975
30x3 x 1.0	47.0	51.5	2458	30x3 x 2.5	57.4	61.0	4354
33x3 x 1.0	48.7	53.0	2644	33x3 x 2.5	59.8	63.5	4741
37x3 x 1.0	50.8	55.5	2907	37x3 x 2.5	62.1	66.0	5205
43x3 x 1.0	55.4	60.5	3352	43x3 x 2.5	67.9	72.0	6039
48x3 x 1.0	58.5	64.0	3695	48x3 x 2.5	71.8	76.0	6678

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CHJP85/NC Series, CHJP86/NC Series**150/250V**

交联聚乙烯绝缘低烟无卤无内套通信电缆

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

图例 **Example:**型号: **CHJP85/NC**Type: **CHJP86/NC****CHJP86/NC**
7X2X1.5**用途 Application**

船用通信电缆可用于电信、电子计算机、信息处理设备中的信号传输和控制系统。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for telecommunication, computer and information processing unit of shipboard and naval ship and it is also available to metallurgical industry, chemical works, power plant and mining etc.

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	CH	船用通信电缆 Shipboard symmetrical communication 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
对绞屏蔽 Pair screen	P	镀锡铜丝编织, 或铝箔聚酯复合带+镀锡绞合铜丝泄露线屏蔽 Tinned copper wire braided, or Alu/Polyester tape with a copper drain wire
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

CHJP85/NC CHJP86/NC (铝箔)

对数x2x截面 No of pairs x 2 x cross section area	外径 Over diam. mm		约重 Approx. weight	对数x2x截面 No of pairs x 2 x cross section area	外径 Over diam. mm		约重 Approx. weight
	标称	最大			标称	最大	
No.x 2xmm ²	Nom.	Max.	kg/km	No.x 2xmm ²	Nom.	Max.	kg/km
1x2 x 0.75	9.7	11.0	120	1x2 x 1.5	10.9	12.5	153
2x2 x 0.75	15.5	17.5	258	2x2 x 1.5	17.9	20.0	339
3x2 x 0.75	16.6	18.5	313	3x2 x 1.5	18.9	21.0	408
4x2 x 0.75	18.1	20.0	369	4x2 x 1.5	20.9	23.0	498
5x2 x 0.75	19.8	22.0	434	5x2 x 1.5	22.9	25.0	590
7x2 x 0.75	21.5	24.0	528	7x2 x 1.5	25.1	27.5	740
10x2 x 0.75	27.7	30.5	754	10x2 x 1.5	32.2	35.0	1042
12x2 x 0.75	28.6	31.5	836	12x2 x 1.5	33.5	36.5	1183
14x2 x 0.75	30.2	33.0	941	14x2 x 1.5	35.1	38.5	1318
16x2 x 0.75	31.9	35.0	1037	16x2 x 1.5	37.8	41.0	1571
19x2 x 0.75	33.7	37.0	1181	19x2 x 1.5	40	43.5	1791
24x2 x 0.75	40.2	44.0	1585	24x2 x 1.5	47.3	51.5	2268
27x2 x 0.75	41.3	45.0	1723	27x2 x 1.5	48.3	52.5	2450
30x2 x 0.75	42.7	46.5	1854	30x2 x 1.5	50.2	54.5	2671
33x2 x 0.75	44.6	48.5	2012	33x2 x 1.5	52.3	57.0	2900
37x2 x 0.75	46.4	50.5	2203	37x2 x 1.5	54.5	59.0	3185
43x2 x 0.75	50.4	55.0	2513	43x2 x 1.5	59.2	64.5	3641
48x2 x 0.75	53.3	58.0	2768	48x2 x 1.5	62.8	68.0	4044
1x2 x 1.0	10.3	11.5	135	1x2 x 2.5	12.1	13.5	195
2x2 x 1.0	16.8	18.5	299	2x2 x 2.5	19.8	21.5	424
3x2 x 1.0	17.8	19.5	356	3x2 x 2.5	21	22.5	521
4x2 x 1.0	19.6	21.5	431	4x2 x 2.5	23.2	25.0	641
5x2 x 1.0	21.3	23.5	499	5x2 x 2.5	25.5	27.5	765
7x2 x 1.0	23.3	25.5	621	7x2 x 2.5	28	30.0	972
10x2 x 1.0	30.1	33.0	888	10x2 x 2.5	36.7	39.0	1477
12x2 x 1.0	31.0	34.0	986	12x2 x 2.5	37.9	40.5	1658
14x2 x 1.0	32.8	36.0	1112	14x2 x 2.5	40	42.5	1873
16x2 x 1.0	34.6	38.0	1228	16x2 x 2.5	42.4	45.0	2096
19x2 x 1.0	37.1	40.5	1493	19x2 x 2.5	44.8	47.5	2399
24x2 x 1.0	43.8	48.0	1890	24x2 x 2.5	53	56.5	3033
27x2 x 1.0	44.8	49.0	2037	27x2 x 2.5	54.1	57.5	3293
30x2 x 1.0	46.6	50.5	2219	30x2 x 2.5	56.3	60.0	3601
33x2 x 1.0	48.3	52.5	2382	33x2 x 2.5	58.7	62.5	3915
37x2 x 1.0	50.4	55.0	2615	37x2 x 2.5	61.2	65.0	4312
43x2 x 1.0	54.9	60.0	3011	43x2 x 2.5	66.6	70.5	4968
48x2 x 1.0	58.0	63.0	3315	48x2 x 2.5	70.7	75.0	5520

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CHJP85/NC CHJP86/NC (铝箔)

对数x3x截面 No of pairs x 3 x cross section area	外径 Over diam. mm		约重 Approx. weight	对数x3x截面 No of pairs x 3 x cross section area	外径 Over diam. mm		约重 Approx. weight
	标称	最大			标称	最大	
No.x 3xmm ²	Nom.	Max.	kg/km	No.x 3xmm ²	Nom.	Max.	kg/km
1x3 x 0.75	10.3	11.5	140	1x3 x 1.5	11.8	13.0	190
2x3 x 0.75	17.4	19.5	320	2x3 x 1.5	20.1	22.0	426
3x3 x 0.75	18.5	20.5	384	3x3 x 1.5	21.3	23.5	522
4x3 x 0.75	20.4	22.5	467	4x3 x 1.5	23.5	26.0	641
5x3 x 0.75	22.4	24.5	553	5x3 x 1.5	25.9	28.5	765
7x3 x 0.75	24.3	27.0	678	7x3 x 1.5	28.4	31.0	970
10x3 x 0.75	31.4	34.5	969	10x3 x 1.5	37.1	40.5	1472
12x3 x 0.75	32.4	35.5	1081	12x3 x 1.5	38.6	42.0	1671
14x3 x 0.75	34.2	37.5	1220	14x3 x 1.5	40.5	44.0	1865
16x3 x 0.75	36.8	40.5	1457	16x3 x 1.5	42.9	46.5	2086
19x3 x 0.75	38.9	42.5	1657	19x3 x 1.5	45.4	49.5	2387
24x3 x 0.75	45.8	50.0	2077	24x3 x 1.5	53.7	58.5	3018
27x3 x 0.75	47.0	51.5	2263	27x3 x 1.5	55.1	60.0	3302
30x3 x 0.75	48.7	53.0	2444	30x3 x 1.5	57.3	62.0	3607
33x3 x 0.75	50.7	55.5	2651	33x3 x 1.5	59.5	64.5	3891
37x3 x 0.75	52.9	57.5	2911	37x3 x 1.5	62	67.0	4283
43x3 x 0.75	57.6	63.0	3351	43x3 x 1.5	67.5	73.0	4934
48x3 x 0.75	60.9	66.5	3693	48x3 x 1.5	71.6	77.5	5480
1x3 x 1.0	10.9	12.5	159	1x3 x 2.5	12.9	14.0	239
2x3 x 1.0	18.7	20.5	364	2x3 x 2.5	22.3	24.0	542
3x3 x 1.0	20.0	22.0	449	3x3 x 2.5	23.7	25.5	678
4x3 x 1.0	22.0	24.5	547	4x3 x 2.5	26.2	28.0	840
5x3 x 1.0	24.0	26.5	639	5x3 x 2.5	28.8	31.0	1007
7x3 x 1.0	26.3	29.0	804	7x3 x 2.5	31.6	34.0	1293
10x3 x 1.0	34.0	37.0	1147	10x3 x 2.5	41.6	44.5	1965
12x3 x 1.0	35.1	38.5	1285	12x3 x 2.5	43	46.0	2223
14x3 x 1.0	37.6	41.0	1547	14x3 x 2.5	45.4	48.5	2519
16x3 x 1.0	39.9	43.5	1728	16x3 x 2.5	48.1	51.0	2824
19x3 x 1.0	42.2	46.0	1971	19x3 x 2.5	50.9	54.0	3248
24x3 x 1.0	49.9	54.5	2494	24x3 x 2.5	60.4	64.0	4130
27x3 x 1.0	50.9	55.5	2695	27x3 x 2.5	61.7	65.5	4503
30x3 x 1.0	53.0	57.5	2942	30x3 x 2.5	64.2	68.0	4930
33x3 x 1.0	55.2	60.0	3193	33x3 x 2.5	66.9	71.0	5366
37x3 x 1.0	57.5	62.5	3508	37x3 x 2.5	69.7	74.0	5919
43x3 x 1.0	62.7	68.0	4041	43x3 x 2.5	76.1	80.5	6859
48x3 x 1.0	66.3	72.0	4455	48x3 x 2.5	80.5	85.0	7581

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CHJP85/NC CHJP86/NC (铜丝)

对数x2x截面 No of pairs x 2 x cross section area	外径 Over diam. mm		约重 Approx. weight	对数x2x截面 No of pairs x 2 x cross section area	外径 Over diam. mm		约重 Approx. weight
	标称	最大			标称	最大	
No.x 2xmm ²	Nom.	Max.	kg/km	No.x 2xmm ²	Nom.	Max.	kg/km
1x2 x 0.75	10.4	12.0	178	1x2 x 1.5	11.8	13.0	227
2x2 x 0.75	16.9	18.5	385	2x2 x 1.5	19	21.0	484
3x2 x 0.75	17.9	20.0	483	3x2 x 1.5	20.4	22.5	615
4x2 x 0.75	19.7	22.0	599	4x2 x 1.5	22.5	24.5	768
5x2 x 0.75	21.4	23.5	709	5x2 x 1.5	24.7	27.0	923
7x2 x 0.75	23.5	26.0	915	7x2 x 1.5	26.9	29.5	1184
10x2 x 0.75	30.2	33.0	1304	10x2 x 1.5	34.7	38.0	1688
12x2 x 0.75	31.2	34.0	1487	12x2 x 1.5	36.6	40.0	2041
14x2 x 0.75	33.0	36.0	1695	14x2 x 1.5	38.6	42.0	2320
16x2 x 0.75	34.8	38.0	1893	16x2 x 1.5	40.9	44.5	2609
19x2 x 0.75	37.3	41.0	2283	19x2 x 1.5	43.1	47.0	2993
24x2 x 0.75	44.1	48.0	2889	24x2 x 1.5	50.9	55.0	3782
27x2 x 0.75	45.0	49.0	3157	27x2 x 1.5	52.2	56.5	4168
30x2 x 0.75	46.8	51.0	3463	30x2 x 1.5	54.1	58.5	4574
33x2 x 0.75	48.6	53.0	3775	33x2 x 1.5	56.4	61.0	4961
37x2 x 0.75	50.7	55.0	4150	37x2 x 1.5	58.8	63.5	5489
43x2 x 0.75	55.2	60.0	4793	43x2 x 1.5	64	69.5	6339
48x2 x 0.75	58.4	63.5	5306	48x2 x 1.5	67.9	73.5	7051
1x2 x 1.0	11.2	12.5	203	1x2 x 2.5	12.8	14.0	271
2x2 x 1.0	17.9	20.0	426	2x2 x 2.5	21	22.5	578
3x2 x 1.0	19.0	21.0	547	3x2 x 2.5	22.5	24.5	754
4x2 x 1.0	21.0	23.0	671	4x2 x 2.5	24.8	26.5	944
5x2 x 1.0	23.0	25.5	806	5x2 x 2.5	27.1	29.0	1139
7x2 x 1.0	25.3	27.5	1042	7x2 x 2.5	29.7	32.0	1483
10x2 x 1.0	32.4	35.5	1486	10x2 x 2.5	39.2	42.0	2212
12x2 x 1.0	33.7	37.0	1697	12x2 x 2.5	40.5	43.0	2548
14x2 x 1.0	35.5	39.0	1933	14x2 x 2.5	42.7	45.5	2881
16x2 x 1.0	38.2	41.5	2273	16x2 x 2.5	45.3	48.0	3244
19x2 x 1.0	40.2	44.0	2603	19x2 x 2.5	47.9	51.0	3754
24x2 x 1.0	47.5	51.5	3292	24x2 x 2.5	56.7	60.0	4771
27x2 x 1.0	48.5	52.5	3601	27x2 x 2.5	58.1	61.5	5234
30x2 x 1.0	50.5	55.0	3952	30x2 x 2.5	60.4	64.0	5747
33x2 x 1.0	52.6	57.0	4307	33x2 x 2.5	63	67.0	6270
37x2 x 1.0	54.8	59.5	4762	37x2 x 2.5	65.6	69.5	6940
43x2 x 1.0	59.5	64.5	5500	43x2 x 2.5	71.5	75.5	8017
48x2 x 1.0	63.2	68.5	6091	48x2 x 2.5	75.6	80.0	8916

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CHJP85/NC CHJP86/NC (铜丝)

对数x3x截面 No of pairs x 3 x cross section area	外径 Over diam. mm		约重 Approx. weight	对数x3x截面 No of pairs x 3 x cross section area	外径 Over diam. mm		约重 Approx. weight
	标称	最大			标称	最大	
No.x 3xmm ²	Nom.	Max.	kg/km	No.x 3xmm ²	Nom.	Max.	kg/km
1x3 x 0.75	10.6	12.0	197	1x3 x 1.5	12.1	13.5	257
2x3 x 0.75	18.1	20.0	437	2x3 x 1.5	20.7	23.0	562
3x3 x 0.75	19.4	21.5	563	3x3 x 1.5	22.2	24.5	733
4x3 x 0.75	21.1	23.5	690	4x3 x 1.5	24.3	26.5	906
5x3 x 0.75	23.2	25.5	831	5x3 x 1.5	26.7	29.5	1094
7x3 x 0.75	25.5	28.0	1078	7x3 x 1.5	29.3	32.0	1427
10x3 x 0.75	32.9	36.0	1538	10x3 x 1.5	38.7	42.0	2152
12x3 x 0.75	34.0	37.0	1759	12x3 x 1.5	39.9	43.5	2457
14x3 x 0.75	36.4	40.0	2097	14x3 x 1.5	42.1	46.0	2800
16x3 x 0.75	38.5	42.0	2356	16x3 x 1.5	44.7	48.5	3153
19x3 x 0.75	40.6	44.5	2702	19x3 x 1.5	47.3	51.5	3648
24x3 x 0.75	48.0	52.5	3418	24x3 x 1.5	55.9	60.5	4609
27x3 x 0.75	49.2	53.5	3765	27x3 x 1.5	57.3	62.0	5084
30x3 x 0.75	51.0	55.5	4108	30x3 x 1.5	59.4	64.5	5555
33x3 x 0.75	53.1	58.0	4479	33x3 x 1.5	61.9	67.0	6061
37x3 x 0.75	55.4	60.5	4956	37x3 x 1.5	64.5	70.0	6710
43x3 x 0.75	60.3	65.5	5724	43x3 x 1.5	70.3	76.0	7753
48x3 x 0.75	63.8	69.5	6339	48x3 x 1.5	74.5	80.5	8622
1x3 x 1.0	11.5	13.0	227	1x3 x 2.5	13.2	14.5	315
2x3 x 1.0	19.5	21.5	498	2x3 x 2.5	23	25.0	696
3x3 x 1.0	20.7	23.0	635	3x3 x 2.5	24.4	26.5	904
4x3 x 1.0	22.8	25.0	793	4x3 x 2.5	27	29.0	1140
5x3 x 1.0	25.1	27.5	956	5x3 x 2.5	29.7	32.0	1381
7x3 x 1.0	27.5	30.0	1240	7x3 x 2.5	32.8	35.0	1827
10x3 x 1.0	35.5	39.0	1768	10x3 x 2.5	42.9	45.5	2711
12x3 x 1.0	37.2	40.5	2118	12x3 x 2.5	44.6	47.5	3134
14x3 x 1.0	39.3	43.0	2411	14x3 x 2.5	47	50.0	3575
16x3 x 1.0	41.6	45.5	2710	16x3 x 2.5	49.8	53.0	4028
19x3 x 1.0	44.0	48.0	3132	19x3 x 2.5	52.7	56.0	4671
24x3 x 1.0	52.0	56.5	3958	24x3 x 2.5	62.6	66.5	5929
27x3 x 1.0	53.1	58.0	4336	27x3 x 2.5	63.9	67.5	6517
30x3 x 1.0	55.3	60.0	4762	30x3 x 2.5	66.5	70.5	7165
33x3 x 1.0	57.6	62.5	5192	33x3 x 2.5	69.3	73.5	7820
37x3 x 1.0	60.0	65.0	5744	37x3 x 2.5	72.2	76.5	8665
43x3 x 1.0	65.4	71.0	6636	43x3 x 2.5	78.9	83.5	10050
48x3 x 1.0	69.2	75.0	7349	48x3 x 2.5	83.4	88.0	11136

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CHEPJ/NC Series, CHEPF/NC Series**150/250V**

乙丙橡胶橡胶绝缘低烟无卤船用通信电缆

EPR insulated halogen-free low-smoke shipboard symmetrical communication cable图例 **Example:****CHEPJ85/NC
7X2X0.75**

型号: **CHEPJ/NC**
 Type: **CHEPJ80/NC**
CHEPJ90/NC
CHEPJ85/NC
CHEPJ95/NC

CHEPF/NC
CHEPF80/NC
CHEPF90/NC
CHEPF86/NC
CHEPF96/NC

用途 Application

船用通信电缆可用于电信、电子计算机、信息处理设备中的信号传输和控制系统。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for telecommunication, computer and information processing unit of shipboard and naval ship and it is also available to metallurgical industry, chemical works, power plant and mining etc.

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	CH	船用通信电缆 Shipboard symmetrical communication 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

CHEV/NA Series, CHEF/NA Series**150/250V**

乙丙橡胶橡胶绝缘船用通信电缆

EPR insulated shipboard symmetrical communication cable

图例 **Example:****CHEV82/NA
7X3X0.75**

型号: **CHEV/NA**
 Type: **CHEV80/NA**
CHEV90/NA
CHEV82/NA
CHEV92/NA

CHEF/NA
CHEF80/NA
CHEF90/NA
CHEF82/NA
CHEF92/NA

用途 Application

船用通信电缆可用于电信、电子计算机、信息处理设备中的信号传输和控制系统。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for telecommunication, computer and information processing unit of shipboard and naval ship and it is also available to metallurgical industry, chemical works, power plant and mining etc.

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

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CH	船用通信电缆 Shipboard symmetrical communication 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	V	聚氯乙烯 PVC
	F	氯丁橡胶 PCP
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	NA	耐火 Fire resistant, IEC60331

CHEPJ/NC, CHEPF/NC

(CHEV/NA, CHEF/NA Series参照使用)

对数x2x截面积 No of pairs x 2 x cross section area	CHEPJ/NC, CHEPF/NC			CHEPJ80/NC, CHEPF80/NC CHEPJ90/NC, CHEPF90/NC				CHEPJ85/NC, CHEPF86/NC CHEPJ95/NC, CHEPF96/NC			
	外径 Overall diameter		约重 Approx weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 2xmm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x2 x 0.75	8.8	10.0	74	9.9	11.0	127	121	12.0	13.0	174	168
2x2 x 0.75	13.1	14.5	133	14.7	16.5	250	237	17.0	18.5	325	311
3x2 x 0.75	14.1	16.0	174	15.7	17.5	301	287	18.0	20.0	378	364
4x2 x 0.75	15.5	17.5	213	17.1	19.0	354	338	19.4	21.0	436	419
5x2 x 0.75	17.2	19.0	260	18.8	20.5	417	399	21.3	23.0	515	497
7x2 x 0.75	18.7	21.0	329	20.3	22.5	501	482	22.8	25.0	605	585
10x2 x 0.75	24.4	27.0	477	26	28.5	703	678	28.7	31.5	844	819
12x2 x 0.75	25.4	28.0	554	27	29.5	792	766	29.9	32.5	948	922
14x2 x 0.75	26.7	29.5	623	28.3	31.5	875	847	31.2	34.0	1036	1009
16x2 x 0.75	28.5	31.5	708	30.1	33.0	978	949	33.2	34.0	1163	1134
19x2 x 0.75	30.2	33.5	823	32.3	35.5	1198	1157	35.4	38.5	1392	1351
24x2 x 0.75	35.9	39.5	1053	38	41.5	1501	1452	41.3	45.0	1741	1692
27x2 x 0.75	36.7	40.0	1148	38.8	42.5	1609	1559	42.3	46.0	1871	1821
30x2 x 0.75	38.2	42.0	1267	40.3	44.0	1750	1698	43.8	47.5	2017	1965
33x2 x 0.75	39.8	44.0	1371	41.9	46.0	1877	1823	45.4	49.5	2152	2098
37x2 x 0.75	41.5	45.5	1523	43.6	47.5	2055	1998	47.3	51.5	2357	2301
43x2 x 0.75	45.3	49.5	1760	47.4	52.0	2345	2283	51.3	56.0	2690	2628
48x2 x 0.75	48.0	52.5	1957	50.1	54.5	2580	2515	54.2	59.0	2965	2900
1x2 x 1.0	9.2	10.5	83	10.3	11.5	139	132	12.4	13.5	187	181
2x2 x 1.0	14.0	15.5	157	15.6	17.0	283	268	17.9	19.5	360	346
3x2 x 1.0	14.8	16.5	198	16.4	18.0	332	317	18.7	20.5	412	397
4x2 x 1.0	16.3	18.5	244	17.9	20.0	393	376	20.2	22.5	477	461
5x2 x 1.0	18.1	20.0	299	19.7	21.5	465	446	22.2	24.0	566	548
7x2 x 1.0	19.9	22.0	391	21.5	23.5	576	556	24.0	26.0	683	662
10x2 x 1.0	25.9	28.5	565	27.5	30.0	807	781	30.4	33.0	966	940
12x2 x 1.0	26.8	29.5	644	28.4	31.5	898	870	31.3	34.0	1058	1031
14x2 x 1.0	28.4	31.0	740	30	33.0	1011	982	32.9	35.5	1178	1149
16x2 x 1.0	30.2	33.0	840	32.3	35.5	1216	1175	35.4	38.5	1408	1367
19x2 x 1.0	31.9	35.0	963	34	37.5	1363	1320	37.1	40.5	1561	1518
24x2 x 1.0	37.9	41.5	1229	40	43.5	1707	1656	43.5	47.5	1974	1922
27x2 x 1.0	38.9	42.5	1362	41	44.5	1858	1805	44.5	48.0	2125	2073
30x2 x 1.0	40.3	44.5	1484	42.4	46.5	2001	1946	46.1	50.0	2295	2240
33x2 x 1.0	42.2	46.0	1629	44.3	48.0	2174	2116	48.0	52.0	2476	2418
37x2 x 1.0	44.0	48.0	1809	46.1	50.0	2382	2322	50.0	54.0	2714	2654
43x2 x 1.0	48.0	52.5	2090	50.1	54.5	2720	2655	54.2	59.0	3098	3033
48x2 x 1.0	50.8	55.5	2323	52.9	58.0	2995	2926	57.0	62.0	3387	3318

CHEPJ/NC, CHEPF/NC

(CHEV/NA, CHEF/NA Series参照使用)

对数x2x截面积 No of pairs x 2 x cross section area	CHEPJ/NC, CHEPF/NC			CHEPJ80/NC, CHEPF80/NC CHEPJ90/NC, CHEPF90/NC				CHEPJ85/NC, CHEPF86/NC CHEPJ95/NC, CHEPF96/NC			
	外径 Overall diameter		约重 Approx weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 2xmm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x2 x 1.5	10.0	11.5	100	11.1	12.5	161	154	13.2	14.5	212	205
2x2 x 1.5	15.3	17.0	191	16.9	18.5	329	313	19.2	21.0	411	395
3x2 x 1.5	16.3	18.5	245	17.9	20.0	394	377	20.2	22.0	479	462
4x2 x 1.5	18.1	20.0	313	19.7	21.5	480	461	22.2	24.0	580	561
5x2 x 1.5	20.0	22.0	382	21.6	24.0	567	547	24.1	26.5	675	655
7x2 x 1.5	22.1	24.5	503	23.7	26.0	712	689	26.4	28.5	837	814
10x2 x 1.5	28.7	31.5	724	30.3	33.0	997	968	33.4	36.0	1182	1152
12x2 x 1.5	29.7	33.0	829	31.3	34.5	1115	1085	34.4	37.5	1302	1271
14x2 x 1.5	31.5	34.5	954	33.6	36.5	1350	1307	36.7	39.5	1546	1503
16x2 x 1.5	33.5	36.5	1082	35.6	39.0	1506	1460	38.9	42.0	1727	1682
19x2 x 1.5	35.6	39.0	1262	37.7	41.0	1717	1669	41.0	44.5	1945	1896
24x2 x 1.5	42.2	46.0	1605	44.3	48.0	2148	2091	48.0	52.0	2452	2395
27x2 x 1.5	43.1	47.0	1759	45.2	49.5	2320	2261	48.9	53.0	2623	2565
30x2 x 1.5	44.9	49.0	1942	47	51.0	2531	2470	50.9	55.0	2864	2803
33x2 x 1.5	47.0	51.0	2130	49.1	53.5	2751	2688	53.0	57.0	3093	3029
37x2 x 1.5	49.0	53.5	2366	51.1	55.5	3021	2954	55.2	59.5	3394	3328
43x2 x 1.5	53.4	58.5	2732	55.5	60.5	3452	3380	59.8	65.0	3875	3803
48x2 x 1.5	56.6	61.5	3038	58.7	64.0	3808	3732	63.2	68.5	4275	4199
1x2 x 2.5	10.8	12.5	128	12.4	14.0	226	215	14.5	16.0	282	271
2x2 x 2.5	16.8	18.5	254	18.4	20.0	407	390	20.9	22.5	504	486
3x2 x 2.5	17.9	20.0	333	19.5	21.5	499	481	22.0	24.0	598	579
4x2 x 2.5	19.9	22.0	427	21.5	23.5	614	593	24.0	26.0	719	698
5x2 x 2.5	22.0	24.0	523	23.6	25.5	732	709	26.3	28.5	856	833
7x2 x 2.5	24.1	26.5	683	25.7	28.5	917	892	28.4	31.0	1045	1020
10x2 x 2.5	31.6	34.5	997	33.7	36.5	1396	1353	36.8	39.5	1590	1547
12x2 x 2.5	32.9	34.0	1165	35	38.0	1586	1541	38.3	41.5	1799	1754
14x2 x 2.5	34.6	38.0	1324	36.7	40.0	1771	1724	40.0	43.5	1989	1942
16x2 x 2.5	36.8	40.0	1504	38.9	42.0	1984	1934	42.4	45.5	2228	2178
19x2 x 2.5	39.0	42.5	1757	41.1	44.5	2274	2221	44.6	48.0	2522	2469
24x2 x 2.5	46.5	50.5	2253	48.6	52.5	2875	2812	52.5	56.5	3206	3143
27x2 x 2.5	47.6	51.5	2480	49.7	54.0	3125	3061	53.6	58.0	3455	3390
30x2 x 2.5	49.6	54.0	2739	51.7	56.0	3419	3352	55.8	60.0	3778	3711
33x2 x 2.5	51.7	56.0	3001	53.8	58.0	3716	3647	57.9	62.5	4082	4012
37x2 x 2.5	53.8	58.5	3313	55.9	60.5	4067	3994	60.2	65.0	4465	4392
43x2 x 2.5	58.8	64.0	3856	60.9	66.0	4691	4611	65.4	70.5	5140	5060
48x2 x 2.5	62.5	67.5	4317	64.6	70.0	5215	5130	69.3	74.5	5710	5625

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.

CHEPJ/NC, CHEPF/NC

(CHEV/NA, CHEF/NA Series参照使用)

对数x3x截面积 No of triples x 3 x cross section area No.x 3 x mm ²	CHEPJ/NC, CHEPF/NC			CHEPJ80/NC, CHEPF80/NC CHEPJ90/NC, CHEPF90/NC				CHEPJ85/NC, CHEPF86/NC CHEPJ95/NC, CHEPF96/NC			
	外径 Overall diameter		约重 Approx weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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
1x3 x 0.75	9.3	10.5	88	10.4	11.5	145	138	12.5	14.0	193	186
2x3 x 0.75	14.8	16.5	173	16.4	18.0	306	291	18.7	20.5	385	370
3x3 x 0.75	15.8	17.5	220	17.4	19.0	363	347	19.7	21.5	446	430
4x3 x 0.75	17.6	19.5	280	19.2	21.0	441	423	21.7	23.5	539	521
5x3 x 0.75	19.4	21.5	341	21	23.0	520	500	23.5	25.5	625	605
7x3 x 0.75	21.2	24.0	436	22.8	25.5	634	612	25.5	28.0	756	734
10x3 x 0.75	27.9	30.5	644	29.5	32.5	906	878	32.4	35.0	1073	1044
12x3 x 0.75	28.8	31.5	733	30.4	33.5	1007	978	33.5	36.5	1191	1161
14x3 x 0.75	30.5	33.5	842	32.6	35.5	1221	1180	35.7	39.0	1414	1373
16x3 x 0.75	32.3	35.5	940	34.4	37.5	1343	1299	37.7	41.0	1562	1518
19x3 x 0.75	34.3	37.5	1095	36.4	39.5	1528	1481	39.7	43.0	1753	1706
24x3 x 0.75	40.9	45.0	1415	43	47.0	1935	1879	46.7	50.5	2235	2180
27x3 x 0.75	41.8	45.5	1547	43.9	48.0	2083	2026	47.6	51.5	2385	2328
30x3 x 0.75	43.3	47.5	1686	45.4	50.0	2245	2187	49.1	53.5	2552	2493
33x3 x 0.75	45.3	49.5	1849	47.4	52.0	2438	2377	51.3	56.0	2777	2716
37x3 x 0.75	47.3	51.5	2055	49.4	54.0	2676	2612	53.3	58.0	3022	2958
43x3 x 0.75	51.7	56.5	2395	53.8	58.5	3080	3010	57.9	63.0	3475	3405
48x3 x 0.75	54.8	60.0	2662	56.9	62.0	3394	3320	61.2	66.5	3832	3758
1x3 x 1.0	9.7	11.0	100	10.8	12.0	159	153	12.9	14.5	209	202
2x3 x 1.0	15.6	17.5	198	17.2	19.0	339	323	19.5	21.5	421	405
3x3 x 1.0	16.8	18.5	262	18.4	20.5	416	398	20.9	23.0	511	494
4x3 x 1.0	18.5	20.5	325	20.1	22.0	496	476	22.6	24.5	597	578
5x3 x 1.0	20.5	22.5	398	22.1	24.5	588	567	24.8	27.0	708	687
7x3 x 1.0	22.6	25.0	524	24.2	26.5	738	714	26.9	29.0	864	840
10x3 x 1.0	29.4	32.5	754	31	34.0	1034	1004	34.1	37.0	1221	1191
12x3 x 1.0	30.6	33.5	878	32.7	35.5	1260	1218	35.8	39.0	1453	1411
14x3 x 1.0	32.2	35.5	994	34.3	37.5	1399	1355	37.6	41.0	1614	1570
16x3 x 1.0	34.2	37.5	1128	36.3	39.5	1561	1515	39.6	43.0	1784	1737
19x3 x 1.0	36.3	40.0	1315	38.4	42.0	1780	1731	41.9	45.5	2028	1979
24x3 x 1.0	43.1	47.5	1673	45.2	49.5	2229	2171	48.9	53.5	2536	2477
27x3 x 1.0	44.3	48.5	1856	46.4	50.5	2435	2375	50.3	54.5	2764	2704
30x3 x 1.0	46.0	50.5	2027	48.1	52.5	2632	2570	52	56.5	2969	2906
33x3 x 1.0	48.0	52.5	2221	50.1	54.5	2858	2793	54.2	59.0	3227	3162
37x3 x 1.0	50.1	54.5	2469	52.2	56.5	3141	3073	56.3	61.0	3517	3449
43x3 x 1.0	54.8	59.5	2877	56.9	62.0	3620	3546	61.2	66.0	4046	3972
48x3 x 1.0	58.1	63.5	3197	60.2	65.5	3991	3913	64.7	70.0	4464	4386

CHEPJ/NC, CHEPF/NC

(CHEV/NA, CHEF/NA Series参照使用)

对数x3x截面积 No of triples x 3 x cross section area	CHEPJ/NC, CHEPF/NC			CHEPJ80/NC, CHEPF80/NC CHEPJ90/NC, CHEPF90/NC				CHEPJ85/NC, CHEPF86/NC CHEPJ95/NC, CHEPF96/NC			
	外径 Overall diameter		约重 Approx weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 3 x mm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x3 x 1.5	10.6	12.0	124	12.2	13.5	221	209	14.3	15.5	275	264
2x3 x 1.5	17.3	19.0	253	18.9	21.0	410	392	21.4	23.5	508	490
3x3 x 1.5	18.4	20.5	329	20	22.0	499	480	22.5	24.5	600	581
4x3 x 1.5	20.5	22.5	421	22.1	24.0	612	591	24.8	27.0	732	711
5x3 x 1.5	22.7	25.0	516	24.3	26.5	730	707	27	29.5	857	834
7x3 x 1.5	25.0	27.5	682	26.6	29.0	923	897	29.5	32.0	1069	1044
10x3 x 1.5	32.8	36.0	996	34.9	38.0	1408	1363	38.2	41.5	1627	1582
12x3 x 1.5	33.9	37.0	1144	36	39.0	1575	1529	39.3	42.5	1795	1749
14x3 x 1.5	35.9	39.0	1316	38	41.5	1777	1728	41.3	44.5	2003	1954
16x3 x 1.5	38.2	41.5	1493	40.3	43.5	1988	1936	43.8	47.5	2242	2190
19x3 x 1.5	40.3	44.0	1722	42.4	46.0	2251	2196	46.1	50.0	2532	2477
24x3 x 1.5	48.0	52.5	2210	50.1	54.5	2846	2781	54.2	59.0	3216	3151
27x3 x 1.5	49.3	53.5	2452	51.4	56.0	3114	3047	55.5	60.0	3484	3417
30x3 x 1.5	51.2	56.0	2683	53.3	55.0	3377	3308	57.4	62.0	3752	3683
33x3 x 1.5	53.4	58.5	2939	55.5	60.5	3670	3598	59.8	65.0	4080	4008
37x3 x 1.5	55.8	61.0	3269	57.9	63.0	4042	3967	62.2	67.5	4459	4384
43x3 x 1.5	61.0	66.5	3803	63.1	68.5	4659	4576	67.8	73.5	5162	5079
48x3 x 1.5	64.6	70.5	4226	66.7	72.5	5142	5055	71.6	77.5	5695	5608
1x3 x 2.5	11.7	13.0	170	13.3	14.5	278	266	15.4	17.0	335	322
2x3 x 2.5	18.8	21.0	334	20.4	22.5	507	488	22.9	25.0	609	590
3x3 x 2.5	20.2	22.5	455	21.8	24.0	646	625	24.3	26.5	750	729
4x3 x 2.5	22.5	25.0	586	24.1	26.5	802	779	26.8	29.0	924	901
5x3 x 2.5	24.9	27.5	719	26.5	29.0	961	935	29.4	32.0	1105	1079
7x3 x 2.5	27.5	30.0	960	29.1	31.5	1235	1207	32	34.5	1383	1355
10x3 x 2.5	36.0	39.0	1393	38.1	41.5	1859	1810	41.6	45.0	2101	2052
12x3 x 2.5	37.2	41.0	1613	39.3	43.0	2103	2052	42.8	46.5	2343	2292
14x3 x 2.5	39.4	43.0	1859	41.5	45.0	2385	2331	45	48.5	2630	2577
16x3 x 2.5	41.9	45.5	2111	44	47.5	2676	2620	47.7	51.5	2951	2894
19x3 x 2.5	44.5	48.5	2470	46.6	50.5	3081	3021	50.5	54.5	3382	3322
24x3 x 2.5	53.0	57.5	3156	55.1	59.5	3893	3822	59.4	64.0	4289	4217
27x3 x 2.5	54.1	59.0	3481	56.2	61.0	4246	4173	60.5	65.5	4637	4564
30x3 x 2.5	56.4	61.5	3846	58.5	63.5	4654	4578	63	68.0	5078	5001
33x3 x 2.5	58.9	64.0	4216	61	66.0	5070	4990	65.5	70.5	5500	5420
37x3 x 2.5	61.4	67.0	4692	63.5	69.0	5597	5514	68.2	73.5	6059	5976
43x3 x 2.5	67.1	73.0	5453	69.2	75.0	6457	6367	74.1	80.0	6977	6886
48x3 x 2.5	71.3	77.0	6096	73.4	79.5	7177	7081	78.5	84.5	7748	7652

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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CHEPJP/NC Series, CHEPFP/NC Series**150/250V**

乙丙橡胶橡胶绝缘低烟无卤船用通信电缆

EPR insulated halogen-free low-smoke shipboard symmetrical communication cable

图例 **Example:****CHEPJP86/NC**
7X3X1.5

型号: **CHEPJP/NC**
 Type: **CHEPJP80/NC**
CHEPJP90/NC
CHEPJP85/NC
CHEPJP95/NC
CHEPFP/NC
CHEPFP80/NC
CHEPFP90/NC
CHEPFP86/NC
CHEPFP96/NC

用途 Application

船用通信电缆可用于电信、电子计算机、信息处理设备中的信号传输和控制系统。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for telecommunication, computer and information processing unit of shipboard and naval ship and it is also available to metallurgical industry, chemical works, power plant and mining etc.

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	CH	船用通信电缆 Shipboard symmetrical communication 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)
对绞屏蔽 Pair screen	P	镀锡铜丝编织, 或铝箔聚酯复合带+镀锡绞合铜丝泄露线屏蔽 Tinned copper wire braided, or Alu/Ployester tape with a copper drain wire
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

CHEVP/NA Series, CHEFP/NA Series**150/250V**

乙丙橡胶橡胶绝缘船用通信电缆

EPR insulated shipboard symmetrical communication cable

图例 **Example:****CHEVP92/NA
7X3X0.75**

型号: **CHEVP/NA**
 Type: **CHEVP80/NA**
CHEVP90/NA
CHEVP82/NA
CHEVP92/NA

CHEFP/NA
CHEFP80/NA
CHEFP90/NA
CHEFP82/NA
CHEFP92/NA

用途 Application

船用通信电缆可用于电信、电子计算机、信息处理设备中的信号传输和控制系统。对冶金、化工、电力等工矿企业亦同样适用。

The cable is intended for telecommunication, computer and information processing unit of shipboard and naval ship and it is also available to metallurgical industry, chemical works, power plant and mining etc.

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

结构 Construction

组分 Components	代号 Code	材料/描述 Material/Description
系列代号 Series code	CH	船用通信电缆 Shipboard symmetrical communication 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	V	聚氯乙烯 PVC
	F	氯丁橡胶 PCP
对绞屏蔽 Pair screen	P	镀锡铜丝编织, 或铝箔聚酯复合带+镀锡绞合铜丝泄露线屏蔽 Tinned copper wire braided, or Alu/Polyester tape with a copper drain wire
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	NA	耐火 Fire resistant, IEC60331

CHEPJP/NC, CHEFPF/NC (Al-foil)

(CHEVP/NA, CHEFP/NA Series参照使用)

对数x2x截面积 No of pairs x 2 x cross section area	CHEPJP/NC, CHEFPF/NC			CHEPJP80/NC, CHEFPF80/NC CHEPJP90/NC, CHEFPF90/NC				CHEPJP85/NC, CHEFPF86/NC CHEPJP95/NC, CHEFPF96/NC			
	外径 Overall diameter		约重 Approx weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 2xmm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x2 x 0.75	9.1	10.5	82	10.2	11.5	137	131	12.3	13.5	185	179
2x2 x 0.75	14.7	16.5	162	16.3	18.0	294	278	18.6	20.5	374	359
3x2 x 0.75	15.7	17.5	204	17.3	19.0	346	330	19.6	21.5	430	414
4x2 x 0.75	17.4	19.5	258	19	21.0	416	398	21.5	23.5	516	498
5x2 x 0.75	19.3	21.5	315	20.9	23.0	491	472	23.4	25.5	599	579
7x2 x 0.75	21.1	23.5	401	22.7	25.0	596	575	25.4	27.5	720	699
10x2 x 0.75	27.7	30.5	592	29.3	32.0	850	822	32.2	34.0	1020	991
12x2 x 0.75	28.6	31.5	671	30.2	33.0	940	911	33.3	36.0	1127	1098
14x2 x 0.75	30.3	33.5	770	32.4	35.5	1143	1102	35.5	38.5	1341	1299
16x2 x 0.75	32.0	34.0	858	34.1	37.5	1254	1211	37.4	41.0	1476	1432
19x2 x 0.75	34.0	37.5	998	36.1	39.5	1423	1376	39.4	43.0	1652	1605
24x2 x 0.75	40.4	44.5	1273	42.5	46.5	1780	1726	46.2	50.0	2086	2031
27x2 x 0.75	41.5	45.5	1409	43.6	47.5	1935	1879	47.3	51.5	2243	2186
30x2 x 0.75	43.0	47.5	1533	45.1	49.5	2081	2023	48.8	53.0	2395	2337
33x2 x 0.75	45.0	49.5	1681	47.1	51.5	2258	2197	51	55.5	2605	2544
37x2 x 0.75	46.9	51.5	1865	49	53.5	2472	2408	52.9	57.5	2827	2763
43x2 x 0.75	51.1	56.0	2152	53.2	58.0	2819	2749	57.3	62.5	3222	3153
48x2 x 0.75	54.4	59.0	2417	56.5	61.5	3132	3059	60.8	66.0	3581	3508
1x2 x 1.0	9.5	11.0	91	10.6	12.0	149	142	12.7	14.0	199	192
2x2 x 1.0	15.4	17.0	181	17	19.0	319	303	19.3	21.0	402	386
3x2 x 1.0	16.6	18.5	238	18.2	20.0	389	372	20.7	22.5	484	467
4x2 x 1.0	18.3	20.5	292	19.9	22.0	459	440	22.4	24.5	563	544
5x2 x 1.0	20.3	22.5	357	21.9	24.0	544	523	24.4	26.5	655	634
7x2 x 1.0	22.4	24.5	467	24	26.5	676	653	26.7	29.0	806	783
10x2 x 1.0	29.1	32.0	674	30.7	33.5	948	918	33.8	36.5	1137	1107
12x2 x 1.0	30.3	33.0	782	32.4	35.5	1156	1115	35.5	38.5	1352	1311
14x2 x 1.0	31.9	35.0	882	34	37.5	1278	1235	37.1	40.5	1481	1437
16x2 x 1.0	33.9	37.0	1000	36	39.0	1424	1378	39.3	42.5	1652	1606
19x2 x 1.0	36.0	39.5	1163	38.1	41.5	1617	1569	41.6	45.0	1872	1823
24x2 x 1.0	42.7	47.0	1481	44.8	49.0	2024	1966	48.5	52.5	2337	2280
27x2 x 1.0	43.9	48.0	1640	46	50.0	2203	2144	49.7	54.0	2519	2460
30x2 x 1.0	45.5	50.0	1786	47.6	52.0	2374	2312	51.5	56.0	2720	2658
33x2 x 1.0	47.5	52.0	1957	49.6	54.0	2575	2511	53.5	58.0	2930	2866
37x2 x 1.0	49.6	54.0	2173	51.7	56.0	2824	2757	55.8	60.5	3213	3146
43x2 x 1.0	54.1	59.0	2508	56.2	61.0	3225	3152	60.5	65.5	3666	3593
48x2 x 1.0	57.5	62.5	2814	59.6	64.5	3583	3505	64.1	69.5	4070	3992

CHEPJP/NC, CHEPFP/NC (Al-foil)

(CHEVP/NA, CHEFP/NA Series参照使用)

对数x2x截面积 No of pairs x 2 x cross section area	CHEPJP/NC, CHEPFP/NC			CHEPJP80/NC, CHEPFP80/NC CHEPJP90/NC, CHEPFP90/NC				CHEPJP85/NC, CHEPFP86/NC CHEPJP95/NC, CHEPFP96/NC			
	外径 Overall diameter		约重 Approx weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 2xmm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x2 x 1.5	10.3	11.5	109	11.9	13.0	202	192	14	15.5	257	246
2x2 x 1.5	17.1	19.0	225	18.7	20.5	379	362	21.2	23.0	479	461
3x2 x 1.5	18.2	20.0	289	19.8	22.0	455	437	22.3	24.5	557	539
4x2 x 1.5	20.2	22.5	367	21.8	24.0	553	533	24.3	26.5	663	642
5x2 x 1.5	22.4	24.5	448	24	26.5	656	633	26.7	29.0	786	763
7x2 x 1.5	24.7	27.0	588	26.3	28.5	822	797	29.2	31.5	972	947
10x2 x 1.5	32.1	35.5	845	34.2	37.5	1242	1198	37.5	41.0	1465	1421
12x2 x 1.5	33.4	36.5	983	35.5	38.5	1400	1355	38.8	42.0	1626	1580
14x2 x 1.5	35.2	38.5	1112	37.3	41.0	1555	1507	40.6	44.0	1788	1740
16x2 x 1.5	37.4	41.0	1261	39.5	43.0	1735	1685	43	46.5	1996	1945
19x2 x 1.5	39.8	43.5	1469	41.9	45.5	1980	1926	45.4	49.0	2249	2195
24x2 x 1.5	47.4	51.5	1889	49.5	53.5	2503	2438	53.4	57.5	2860	2796
27x2 x 1.5	48.4	53.0	2068	50.5	55.0	2701	2636	54.6	59.0	3084	3018
30x2 x 1.5	50.5	55.0	2282	52.6	57.0	2949	2880	56.7	61.5	3340	3271
33x2 x 1.5	52.7	57.0	2499	54.8	59.5	3200	3129	59.1	64.0	3628	3556
37x2 x 1.5	55.0	60.0	2775	57.1	62.0	3515	3440	61.4	66.5	3950	3876
43x2 x 1.5	60.1	65.0	3228	62.2	67.5	4045	3964	66.9	72.0	4570	4489
48x2 x 1.5	63.7	69.5	3586	65.8	71.5	4460	4374	70.5	76.0	5004	4918
1x2 x 2.5	11.3	12.5	143	12.9	13.0	246	234	15	16.5	304	292
2x2 x 2.5	18.5	20.5	284	20.1	22.0	452	433	22.6	24.5	556	537
3x2 x 2.5	19.9	22.0	381	21.5	23.5	566	545	24	26.0	673	653
4x2 x 2.5	22.1	24.5	487	23.7	26.0	695	672	26.4	28.5	821	798
5x2 x 2.5	24.3	27.0	585	25.9	28.5	815	791	28.6	31.0	949	925
7x2 x 2.5	26.8	29.5	775	28.4	31.0	1035	1008	31.3	34.0	1190	1162
10x2 x 2.5	35.2	38.5	1131	37.3	40.5	1575	1527	40.6	44.0	1807	1759
12x2 x 2.5	36.6	40.0	1319	38.7	42.0	1788	1738	42.2	45.5	2040	1990
14x2 x 2.5	38.7	42.0	1516	40.8	44.0	2017	1965	44.3	48.0	2276	2224
16x2 x 2.5	41.2	45.0	1720	43.3	47.0	2258	2202	47	50.5	2548	2492
19x2 x 2.5	43.7	47.5	2006	45.8	49.5	2586	2526	49.5	53.5	2881	2822
24x2 x 2.5	52.1	56.5	2569	54.2	58.5	3267	3197	58.5	63.0	3686	3615
27x2 x 2.5	53.2	58.0	2823	55.3	60.0	3546	3474	59.6	64.5	3962	3890
30x2 x 2.5	55.4	60.0	3114	57.5	62.0	3875	3800	61.8	66.5	4298	4224
33x2 x 2.5	57.9	62.5	3412	60	65.0	4215	4137	64.5	69.5	4677	4599
37x2 x 2.5	60.4	65.5	3791	62.5	67.5	4640	4558	67.2	72.5	5140	5058
43x2 x 2.5	66.0	71.5	4407	68.1	73.5	5347	5258	73	78.5	5909	5820
48x2 x 2.5	69.9	76.0	4896	72	78.0	5902	5808	77.1	83.0	6518	6424

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.

CHEPJP/NC, CHEFPF/NC (Al-foil)

(CHEVP/NA, CHEFP/NA Series参照使用)

对数x3x截面积 No of triples x 3 x cross section area	CHEPJP/NC, CHEFPF/NC			CHEPJP80/NC, CHEFPF80/NC CHEPJP90/NC, CHEFPF90/NC				CHEPJP85/NC, CHEFPF86/NC CHEPJP95/NC, CHEFPF96/NC			
	外径 Overall diameter		约重 Approx weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 3 x mm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x3 x 0.75	9.6	11.0	100	10.7	12.0	159	152	12.8	14.0	207	201
2x3 x 0.75	16.6	18.5	211	18.2	20.0	360	343	20.7	22.5	457	440
3x3 x 0.75	17.6	19.5	269	19.2	21.0	429	411	21.7	24.0	529	511
4x3 x 0.75	19.6	22.0	342	21.2	23.5	522	502	23.7	26.0	629	609
5x3 x 0.75	21.5	24.0	408	23.1	25.5	607	585	25.8	28.5	732	710
7x3 x 0.75	23.7	26.0	535	25.3	27.5	758	734	28	30.5	891	866
10x3 x 0.75	31.1	34.0	786	33.2	36.0	1169	1126	36.3	39.5	1369	1327
12x3 x 0.75	32.2	35.5	898	34.3	37.5	1298	1254	37.6	41.0	1518	1474
14x3 x 0.75	34.1	37.5	1031	36.2	39.5	1458	1412	39.5	43.0	1686	1639
16x3 x 0.75	36.3	39.5	1169	38.4	42.0	1627	1578	41.9	45.5	1883	1833
19x3 x 0.75	38.5	42.0	1360	40.6	44.0	1851	1799	44.1	48.0	2114	2062
24x3 x 0.75	45.7	50.0	1730	47.8	52.0	2317	2255	51.7	56.0	2666	2604
27x3 x 0.75	46.9	51.0	1916	49	53.5	2526	2462	52.9	57.0	2875	2811
30x3 x 0.75	48.7	53.5	2090	50.8	55.5	2728	2662	54.9	59.5	3109	3043
33x3 x 0.75	50.8	55.5	2289	52.9	58.0	2959	2891	57	62.0	3350	3282
37x3 x 0.75	53.1	58.0	2543	55.2	55.0	3251	3179	59.5	64.5	3678	3606
43x3 x 0.75	58.0	63.5	2960	60.1	65.5	3741	3663	64.6	70.0	4225	4146
48x3 x 0.75	61.5	67.0	3288	63.6	69.0	4123	4040	68.3	74.0	4658	4575
1x3 x 1.0	10.0	11.5	113	11.1	12.5	175	168	13.2	14.5	224	217
2x3 x 1.0	17.4	19.5	238	19	21.0	395	377	21.5	23.5	494	476
3x3 x 1.0	18.5	20.5	306	20.1	22.0	476	457	22.6	24.5	578	559
4x3 x 1.0	20.6	23.0	391	22.2	24.5	582	561	24.9	27.0	702	681
5x3 x 1.0	22.8	25.0	477	24.4	26.5	690	667	27.1	29.5	820	797
7x3 x 1.0	25.2	27.5	629	26.8	29.5	869	843	29.7	32.5	1019	993
10x3 x 1.0	32.9	34.0	918	35	38.0	1327	1282	38.3	41.5	1550	1506
12x3 x 1.0	34.1	37.5	1052	36.2	39.5	1480	1434	39.5	43.0	1706	1659
14x3 x 1.0	36.1	39.5	1208	38.2	41.5	1666	1617	41.7	45.0	1918	1868
16x3 x 1.0	38.4	42.0	1369	40.5	44.0	1860	1807	44	47.5	2122	2070
19x3 x 1.0	40.5	44.5	1575	42.6	46.5	2099	2044	46.3	50.5	2388	2333
24x3 x 1.0	48.3	53.0	2024	50.4	55.0	2654	2589	54.5	59.0	3036	2971
27x3 x 1.0	49.6	54.0	2243	51.7	56.0	2898	2831	55.8	60.5	3281	3214
30x3 x 1.0	51.7	56.5	2474	53.8	55.0	3163	3093	57.9	62.5	3553	3483
33x3 x 1.0	53.7	58.5	2683	55.8	61.0	3404	3332	60.1	65.0	3830	3757
37x3 x 1.0	56.1	61.0	2981	58.2	63.5	3743	3667	62.7	68.0	4206	4130
43x3 x 1.0	61.3	67.0	3468	63.4	69.0	4310	4228	68.1	74.0	4833	4750
48x3 x 1.0	65.2	71.0	3883	67.3	73.0	4788	4700	72.2	78.0	5365	5277

CHEPJP/NC, CHEFPF/NC (Al-foil)

(CHEVP/NA, CHEFP/NA Series参照使用)

对数x3x截面积 No of triples x 3 x cross section area	CHEPJP/NC, CHEFPF/NC			CHEPJP80/NC, CHEFPF80/NC CHEPJP90/NC, CHEFPF90/NC				CHEPJP85/NC, CHEFPF86/NC CHEPJP95/NC, CHEFPF96/NC			
	外径 Overall diameter		约重 Approx weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 3 x mm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x3 x 1.5	10.9	12.5	137	12.5	14.0	237	225	14.6	16.0	292	281
2x3 x 1.5	19.0	21.0	288	20.6	23.0	461	441	23.1	25.5	567	547
3x3 x 1.5	20.5	22.5	387	22.1	24.0	577	556	24.8	27.0	697	676
4x3 x 1.5	22.8	25.0	494	24.4	26.5	708	684	27.1	29.5	837	813
5x3 x 1.5	25.2	27.5	604	26.8	29.0	843	817	29.7	32.0	994	968
7x3 x 1.5	27.8	30.5	798	29.4	32.0	1067	1039	32.3	35.0	1226	1197
10x3 x 1.5	36.4	39.5	1162	38.5	42.0	1621	1571	42	45.5	1877	1828
12x3 x 1.5	37.7	41.5	1336	39.8	43.5	1817	1766	43.3	47.0	2075	2024
14x3 x 1.5	39.9	43.5	1536	42	46.0	2051	1997	45.5	49.5	2316	2262
16x3 x 1.5	42.4	46.0	1741	44.5	48.0	2293	2236	48.2	52.0	2590	2532
19x3 x 1.5	45.0	49.0	2029	47.1	51.0	2624	2563	51	55.0	2952	2891
24x3 x 1.5	53.6	58.5	2599	55.7	60.5	3315	3242	60	65.0	3745	3672
27x3 x 1.5	55.0	59.5	2881	57.1	62.0	3626	3552	61.4	66.0	4055	3981
30x3 x 1.5	57.3	62.0	3177	59.4	64.5	3962	3884	63.9	69.0	4427	4350
33x3 x 1.5	59.8	65.0	3478	61.9	67.0	4305	4224	66.4	71.5	4780	4700
37x3 x 1.5	62.2	67.5	3833	64.3	69.5	4703	4619	69	74.5	5218	5134
43x3 x 1.5	68.1	74.0	4486	70.2	76.0	5452	5361	75.3	81.0	6066	5974
48x3 x 1.5	72.2	78.5	4983	74.3	80.5	6018	5921	79.6	86.0	6691	6594
1x3 x 2.5	12.0	13.5	184	13.6	15.0	295	282	15.7	17.0	353	340
2x3 x 2.5	20.8	23.0	381	22.4	24.5	573	552	25.1	27.0	696	674
3x3 x 2.5	22.4	24.5	518	24	26.5	730	707	26.7	29.0	855	832
4x3 x 2.5	24.9	27.5	665	26.5	29.0	904	879	29.4	32.0	1050	1025
5x3 x 2.5	27.6	30.0	815	29.2	31.5	1084	1055	32.1	34.5	1240	1212
7x3 x 2.5	30.4	33.0	1085	32.5	35.5	1475	1434	35.6	38.5	1656	1614
10x3 x 2.5	39.8	43.5	1572	41.9	45.5	2088	2034	45.4	49.5	2351	2297
12x3 x 2.5	41.4	45.0	1839	43.5	47.0	2385	2329	47.2	51.0	2669	2613
14x3 x 2.5	43.9	47.5	2117	46	49.5	2704	2645	49.7	53.5	2995	2936
16x3 x 2.5	46.6	50.5	2401	48.7	52.5	3032	2968	52.6	56.5	3354	3291
19x3 x 2.5	49.4	53.5	2804	51.5	56.0	3485	3418	55.6	60.0	3837	3770
24x3 x 2.5	58.9	64.0	3579	61	66.0	4401	4321	65.5	70.5	4863	4784
27x3 x 2.5	60.4	65.5	3974	62.5	67.5	4832	4750	67.2	72.5	5320	5238
30x3 x 2.5	62.9	68.0	4384	65	70.0	5289	5204	69.7	75.0	5784	5699
33x3 x 2.5	65.6	71.0	4800	67.7	73.0	5755	5667	72.6	78.0	6291	6203
37x3 x 2.5	68.5	74.0	5338	70.6	76.0	6351	6259	75.7	81.5	6927	6835
43x3 x 2.5	74.8	81.0	6198	76.9	83.0	7322	7221	82.2	88.5	7965	7864
48x3 x 2.5	79.4	86.0	6922	81.5	88.0	8132	8025	87	93.5	8834	8727

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.

CHEPJP/NC, CHEFPF/NC (铜丝)

(CHEVP/NA, CHEFP/NA Series参照使用)

对数x2x截面积 No of pairs x 2 x cross section area	CHEPJ/NC, CHEFPF/NC			CHEPJP80/NC, CHEFPF80/NC CHEPJP90/NC, CHEFPF90/NC				CHEPJP85/NC, CHEFPF86/NC CHEPJP95/NC, CHEFPF96/NC			
	外径 Overall diameter		约重 Approx weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 2xmm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x2 x 0.75	9.8	11.0	139	10.9	12.0	201	194	13	14.5	249	242
2x2 x 0.75	15.9	17.5	275	17.5	19.0	422	406	19.8	21.5	503	487
3x2 x 0.75	17.1	19.0	378	18.7	20.5	540	522	21.2	23.0	632	614
4x2 x 0.75	18.8	21.0	478	20.4	22.5	659	639	22.9	25.0	755	736
5x2 x 0.75	20.9	23.0	590	22.5	24.5	793	772	25.2	27.5	907	886
7x2 x 0.75	23.0	25.5	792	24.6	27.0	1022	999	27.3	29.5	1138	1115
10x2 x 0.75	30.2	33.0	1152	32.3	35.0	1543	1502	35.4	38.5	1720	1679
12x2 x 0.75	31.2	34.0	1337	33.3	34.0	1748	1706	36.4	39.5	1924	1881
14x2 x 0.75	33.0	36.0	1544	35.1	38.0	1985	1940	38.4	41.5	2180	2135
16x2 x 0.75	34.9	38.5	1739	37	40.5	2210	2163	40.3	44.0	2410	2362
19x2 x 0.75	37.1	41.0	2041	39.2	43.0	2551	2501	42.7	46.5	2771	2720
24x2 x 0.75	44.2	48.0	2610	46.3	50.5	3225	3165	50.2	54.5	3519	3459
27x2 x 0.75	45.2	49.5	2886	47.3	51.5	3526	3464	51.2	55.5	3814	3753
30x2 x 0.75	47.1	51.5	3192	49.2	53.5	3867	3804	53.1	55.0	4157	4094
33x2 x 0.75	49.2	53.5	3503	51.3	55.5	4217	4150	55.4	60.0	4534	4468
37x2 x 0.75	51.2	56.0	3881	53.3	58.0	4635	4566	57.4	62.0	4952	4883
43x2 x 0.75	56.0	61.0	4517	58.1	63.0	5355	5279	62.6	67.5	5742	5667
48x2 x 0.75	59.3	64.5	5027	61.4	67.0	5926	5846	65.9	71.5	6322	6242
1x2 x 1.0	10.2	11.5	151	11.8	13.0	246	235	13.9	15.0	298	287
2x2 x 1.0	16.8	18.5	308	18.4	20.5	464	447	20.9	23.0	557	540
3x2 x 1.0	17.9	20.0	414	19.5	21.5	584	566	22	24.0	678	660
4x2 x 1.0	19.9	22.0	534	21.5	23.5	726	706	24	26.0	826	806
5x2 x 1.0	22.0	24.5	657	23.6	26.0	872	850	26.3	28.5	990	967
7x2 x 1.0	24.1	26.5	871	25.7	28.5	1114	1089	28.4	31.0	1233	1208
10x2 x 1.0	31.6	34.0	1265	33.7	36.5	1677	1634	36.8	40.0	1858	1815
12x2 x 1.0	32.9	36.0	1487	35	38.0	1924	1879	38.3	41.5	2121	2076
14x2 x 1.0	34.6	38.0	1700	36.7	40.0	2166	2119	40	43.5	2365	2318
16x2 x 1.0	36.8	40.0	1933	38.9	42.5	2435	2385	42.4	46.0	2658	2608
19x2 x 1.0	39.1	42.5	2268	41.2	45.0	2811	2758	44.7	48.5	3035	2982
24x2 x 1.0	46.6	50.5	2898	48.7	53.0	3553	3490	52.6	57.0	3853	3790
27x2 x 1.0	47.6	52.0	3204	49.7	54.0	3885	3821	53.6	58.0	4179	4115
30x2 x 1.0	49.6	54.0	3544	51.7	55.0	4264	4197	55.8	60.5	4583	4516
33x2 x 1.0	51.8	56.5	3887	53.9	58.5	4648	4578	58	62.5	4971	4901
37x2 x 1.0	53.9	58.5	4307	56	61.0	5111	5039	60.3	65.0	5461	5388
43x2 x 1.0	58.9	64.0	5011	61	66.5	5905	5825	65.5	71.0	6297	6217
48x2 x 1.0	62.6	68.0	5606	64.7	70.0	6569	6485	69.4	75.0	7001	6917

CHEPJP/NC, CHEFPF/NC (铜丝)

(CHEVP/NA, CHEFP/NA Series参照使用)

对数x2x截面积 No of pairs x 2 x cross section area	CHEPJ/NC, CHEPF/NC			CHEPJP80/NC, CHEPFP80/NC CHEPJP90/NC, CHEPFP90/NC				CHEPJP85/NC, CHEPFP86/NC CHEPJP95/NC, CHEPFP96/NC			
	外径 Overall diameter		约重 Approx weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 2xmm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km
1x2 x 1.5	11.2	12.5	180	12.8	14.0	284	273	14.9	16.5	340	328
2x2 x 1.5	18.2	20.0	357	19.8	22.0	527	508	22.3	24.5	625	607
3x2 x 1.5	19.6	21.5	492	21.2	23.0	680	660	23.7	25.5	780	760
4x2 x 1.5	21.6	24.0	625	23.2	25.5	836	813	25.9	28.5	952	930
5x2 x 1.5	23.9	26.5	770	25.5	28.0	1006	982	28.2	30.5	1129	1105
7x2 x 1.5	26.4	29.0	1036	28	30.5	1306	1279	30.9	33.5	1444	1418
10x2 x 1.5	34.6	38.0	1502	36.7	40.0	1958	1911	40	43.5	2167	2120
12x2 x 1.5	36.1	39.5	1766	38.2	41.5	2252	2203	41.7	45.0	2478	2429
14x2 x 1.5	38.2	41.5	2039	40.3	43.5	2561	2509	43.8	47.0	2789	2737
16x2 x 1.5	40.4	44.0	2298	42.5	46.0	2857	2802	46.2	50.0	3111	3056
19x2 x 1.5	42.8	46.5	2694	44.9	49.0	3298	3240	48.6	52.5	3553	3495
24x2 x 1.5	51.1	55.5	3440	53.2	55.0	4171	4102	57.3	62.0	4510	4441
27x2 x 1.5	52.4	57.0	3831	54.5	59.0	4596	4525	58.8	63.5	4953	4882
30x2 x 1.5	54.6	59.0	4235	56.7	61.0	5043	4970	61	65.5	5402	5329
33x2 x 1.5	56.8	62.0	4617	58.9	64.0	5468	5392	63.4	68.5	5859	5783
37x2 x 1.5	59.3	64.5	5146	61.4	66.5	6051	5971	65.9	71.0	6440	6360
43x2 x 1.5	64.8	70.5	5983	66.9	72.5	6989	6901	71.8	77.5	7458	7371
48x2 x 1.5	68.8	74.5	6688	70.9	76.5	7772	7679	76	82.0	8286	8193
1x2 x 2.5	12.0	13.5	216	13.6	15.0	329	316	15.7	17.0	385	373
2x2 x 2.5	19.8	22.0	437	21.4	23.5	624	603	23.9	26.0	727	707
3x2 x 2.5	21.2	23.5	596	22.8	25.0	802	780	25.5	27.5	917	895
4x2 x 2.5	23.5	26.0	771	25.1	27.5	1004	980	27.8	30.0	1124	1100
5x2 x 2.5	26.1	28.5	950	27.7	30.0	1213	1187	30.6	33.0	1355	1328
7x2 x 2.5	28.8	31.5	1281	30.4	33.0	1583	1553	33.5	36.0	1740	1710
10x2 x 2.5	37.7	41.0	1852	39.8	43.5	2359	2308	43.3	47.0	2593	2542
12x2 x 2.5	39.2	42.5	2180	41.3	45.0	2720	2667	44.8	48.5	2949	2895
14x2 x 2.5	41.5	45.0	2517	43.6	47.0	3098	3042	47.3	51.0	3351	3295
16x2 x 2.5	44.1	48.0	2861	46.2	50.0	3488	3428	50.1	54.0	3767	3707
19x2 x 2.5	46.8	50.5	3356	48.9	53.0	4036	3973	52.8	57.0	4315	4251
24x2 x 2.5	55.7	60.5	4274	57.8	62.5	5096	5021	62.1	67.0	5464	5389
27x2 x 2.5	57.2	62.0	4762	59.3	64.0	5625	5548	63.8	68.5	6012	5935
30x2 x 2.5	59.3	64.5	5235	61.4	66.5	6144	6064	65.9	71.0	6529	6449
33x2 x 2.5	62.0	67.0	5743	64.1	69.0	6707	6623	68.8	74.0	7125	7042
37x2 x 2.5	64.7	70.0	6401	66.8	72.0	7426	7339	71.7	77.0	7874	7787
43x2 x 2.5	70.8	76.5	7468	72.9	78.5	8613	8517	78	84.0	9111	9016
48x2 x 2.5	75.0	81.0	8308	77.1	83.5	9540	9439	82.4	88.5	10082	9981

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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CHEPJP/NC, CHEFPF/NC (铜丝)

(CHEVP/NA, CHEFP/NA Series参照使用)

对数x3x截面积 No of triples x 3 x cross section area	CHEPJP/NC, CHEFPF/NC			CHEPJP80/NC, CHEFPF80/NC CHEPJP90/NC, CHEFPF90/NC				CHEPJP85/NC, CHEFPF86/NC CHEPJP95/NC, CHEFPF96/NC			
	外径 Overall diameter		约重 Approx weight	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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 3 x mm ²	Nom.	Max.	kg/km	Nom.	Max.	kg/km	kg/km	Nom.	Max.	kg/km	kg/km
1x3 x 0.75	10.1	11.5	160	11.7	13.0	254	244	13.8	15.0	304	293
2x3 x 0.75	17.4	19.5	330	19	21.0	492	474	21.5	23.5	587	569
3x3 x 0.75	18.6	20.5	446	20.2	22.0	623	604	22.7	24.5	719	700
4x3 x 0.75	20.6	23.0	576	22.2	24.5	776	755	24.9	27.0	887	866
5x3 x 0.75	22.8	25.0	709	24.4	27.0	933	910	27.1	29.5	1052	1028
7x3 x 0.75	25.2	27.5	953	26.8	29.5	1209	1183	29.7	32.5	1343	1317
10x3 x 0.75	33.0	34.0	1382	35.1	38.0	1815	1770	38.4	41.5	2016	1971
12x3 x 0.75	34.2	34.0	1608	36.3	39.5	2065	2019	39.6	43.0	2265	2218
14x3 x 0.75	36.2	39.5	1857	38.3	41.5	2348	2299	41.8	45.5	2569	2520
16x3 x 0.75	38.5	42.0	2111	40.6	44.0	2640	2588	44.1	47.5	2866	2814
19x3 x 0.75	40.6	44.5	2456	42.7	46.5	3025	2970	46.4	50.5	3271	3216
24x3 x 0.75	48.4	53.0	3137	50.5	55.0	3824	3758	54.6	59.0	4151	4085
27x3 x 0.75	49.7	54.0	3495	51.8	56.0	4214	4146	55.9	55.0	4535	4467
30x3 x 0.75	51.8	56.5	3865	53.9	58.5	4625	4555	58	62.5	4946	4876
33x3 x 0.75	53.9	59.0	4214	56	61.0	5014	4941	60.3	65.5	5365	5292
37x3 x 0.75	56.2	61.5	4696	58.3	63.5	5545	5469	62.8	68.0	5923	5847
43x3 x 0.75	61.4	67.0	5461	63.5	69.0	6404	6321	68.2	74.0	6828	6746
48x3 x 0.75	65.3	71.0	6108	67.4	73.0	7125	7037	72.3	78.0	7592	7504
1x3 x 1.0	10.5	12.0	175	12.1	13.0	273	262	14.2	15.5	325	314
2x3 x 1.0	18.2	20.0	363	19.8	22.0	533	514	22.3	24.5	631	612
3x3 x 1.0	19.6	22.0	501	21.2	23.5	689	669	23.7	26.0	788	768
4x3 x 1.0	21.6	24.0	638	23.2	25.5	849	827	25.9	28.5	963	941
5x3 x 1.0	23.9	26.5	786	25.5	28.0	1023	999	28.2	31.0	1144	1119
7x3 x 1.0	26.4	29.0	1058	28	30.5	1329	1302	30.9	33.5	1465	1438
10x3 x 1.0	34.6	38.0	1533	36.7	40.0	1991	1944	40	43.5	2197	2150
12x3 x 1.0	36.1	39.5	1804	38.2	41.5	2292	2243	41.7	45.0	2514	2465
14x3 x 1.0	38.2	41.5	2083	40.3	43.5	2607	2555	43.8	47.5	2832	2780
16x3 x 1.0	40.4	44.0	2349	42.5	46.5	2910	2855	46.2	50.0	3160	3105
19x3 x 1.0	42.8	47.0	2754	44.9	49.0	3361	3303	48.6	53.0	3611	3553
24x3 x 1.0	51.1	56.0	3516	53.2	58.0	4251	4182	57.3	62.0	4584	4515
27x3 x 1.0	52.4	57.0	3916	54.5	59.0	4685	4614	58.8	63.5	5037	4966
30x3 x 1.0	54.6	59.5	4330	56.7	61.5	5143	5069	61	66.0	5495	5422
33x3 x 1.0	56.8	62.0	4722	58.9	64.0	5578	5502	63.4	68.5	5962	5885
37x3 x 1.0	59.3	64.5	5263	61.4	66.5	6173	6093	65.9	71.5	6555	6475
43x3 x 1.0	64.8	70.5	6119	66.9	72.5	7131	7044	71.8	77.5	7592	7505
48x3 x 1.0	68.8	75.0	6840	70.9	77.0	7932	7839	76	82.0	8435	8343

CHEPJP/NC, CHEPFP/NC (铜丝)

(CHEVP/NA, CHEFP/NA Series参照使用)

对数x3x截面积 No of triples x 3 x cross section area No.x 3 x mm ²	CHEPJP/NC, CHEPFP/NC			CHEPJP80/NC, CHEPFP80/NC CHEPJP90/NC, CHEPFP90/NC				CHEPJP85/NC, CHEPFP86/NC CHEPJP95/NC, CHEPFP96/NC			
	外径 Overall diameter		约重 Approx weight kg/km	外径 Overall diameter		大约重量 Approx. weight		外径 Overall diameter		大约重量 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
1x3 x 1.5	11.6	13.0	212	13.2	14.5	321	309	15.3	16.5	376	364
2x3 x 1.5	20.0	22.0	436	21.6	23.5	624	604	24.1	26.0	728	708
3x3 x 1.5	21.4	24.0	594	23	25.5	801	779	25.7	28.0	917	895
4x3 x 1.5	23.8	26.0	769	25.4	27.5	1005	980	28.1	30.5	1125	1101
5x3 x 1.5	26.3	29.0	946	27.9	30.5	1211	1184	30.8	33.5	1352	1326
7x3 x 1.5	29.1	32.0	1276	30.7	33.5	1580	1550	33.8	36.5	1738	1708
10x3 x 1.5	38.3	41.5	1863	40.4	44.0	2377	2325	43.9	47.5	2614	2562
12x3 x 1.5	39.6	43.0	2171	41.7	45.5	2715	2661	45.2	49.0	2946	2892
14x3 x 1.5	41.9	45.5	2507	44	47.5	3092	3035	47.7	51.5	3346	3290
16x3 x 1.5	44.6	48.5	2850	46.7	50.5	3481	3421	50.6	54.5	3764	3703
19x3 x 1.5	47.3	51.5	3341	49.4	53.5	4026	3962	53.3	57.5	4308	4244
24x3 x 1.5	56.3	61.0	4257	58.4	63.5	5085	5009	62.9	68.0	5486	5410
27x3 x 1.5	57.8	62.5	4741	59.9	64.5	5609	5531	64.4	69.5	6002	5924
30x3 x 1.5	60.2	65.0	5241	62.3	67.5	6160	6079	67	72.0	6582	6501
33x3 x 1.5	62.8	68.0	5745	64.9	70.0	6717	6633	69.6	75.0	7142	7058
37x3 x 1.5	65.5	71.0	6400	67.6	73.0	7434	7346	72.5	78.0	7888	7800
43x3 x 1.5	71.6	77.5	7435	73.7	79.5	8587	8490	78.8	85.0	9093	8997
48x3 x 1.5	76.0	82.0	8305	78.1	84.5	9547	9445	83.6	90.0	10138	10036
1x3 x 2.5	12.4	14.0	260	14	15.5	378	365	16.1	17.5	434	421
2x3 x 2.5	21.7	24.0	535	23.3	25.5	742	720	26	28.5	862	840
3x3 x 2.5	23.3	25.5	746	24.9	27.0	976	952	27.6	30.0	1095	1071
4x3 x 2.5	25.9	28.5	967	27.5	30.0	1229	1203	30.4	33.0	1367	1340
5x3 x 2.5	28.7	31.5	1192	30.3	33.0	1488	1459	33.4	36.0	1648	1619
7x3 x 2.5	31.7	34.5	1611	33.8	36.5	2042	1998	36.9	40.0	2205	2161
10x3 x 2.5	41.7	45.5	2344	43.8	47.5	2919	2862	47.5	51.0	3179	3123
12x3 x 2.5	43.2	47.0	2740	45.3	49.5	3351	3292	49	53.0	3604	3545
14x3 x 2.5	45.7	50.0	3166	47.8	52.0	3825	3763	51.7	56.0	4101	4040
16x3 x 2.5	48.6	53.0	3599	50.7	55.0	4311	4245	54.8	59.0	4616	4551
19x3 x 2.5	51.8	56.0	4249	53.9	58.0	5028	4958	58	62.5	5331	5261
24x3 x 2.5	61.6	67.0	5403	63.7	69.0	6345	6262	68.4	73.5	6775	6692
27x3 x 2.5	63.2	68.5	6021	65.3	70.5	7011	6926	70	75.0	7427	7342
30x3 x 2.5	65.8	71.0	6656	67.9	73.0	7706	7617	72.8	78.0	8151	8062
33x3 x 2.5	68.7	74.0	7297	70.8	76.0	8410	8318	75.9	81.5	8891	8798
37x3 x 2.5	71.6	77.5	8131	73.7	76.0	9317	9221	78.8	85.0	9789	9693
43x3 x 2.5	78.2	84.5	9442	80.3	87.0	10765	10660	85.8	92.5	11326	11220
48x3 x 2.5	83.0	90.0	10541	85.1	92.0	11971	11859	90.8	98.0	12579	12467

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.