

CJ86/SC

Armoured Marine Power and Control Cable 0.6/1kV



Construction

Structure	Code	Construction Detail
1. Conductor	C	- stranded tinned copper wire as per IEC 60228, class 2 - class 5 (flexible) as request
2. Insulation	J	XLPE plastic, IEC 60092-360
3. Cabling		cabling with optional fillers to obtain round cable
4. Covering		polyester tape
5. Armour	8	tinned copper wire braided (TCWB)
6. Sheath	6	thermoplastic polyolefine, SHF1 as per IEC 60092-360 sheath color: black
7. Core Identification		1C: not specified 2C: white, red 3C: white, red, blue 4C: white, red, blue, black 5C & above: white core with black number Earth core is green/yellow color
8. Combustion Property	SC	Flame Retardant, Halogen Free and Low Smoke

Application

For fixed installation in most areas and on open deck on shipboard and offshore units.

Main Characteristics

Rating Voltage	0.6/1kV(1.2kV)
Testing Voltage	3.5kV for 5 mins
Flame Retardant	IEC 60332-1 & IEC 60332-3-22, Cat.A
Halogen Free	IEC 60754 series
Smoke Emission	IEC 61034 series
Temperature Rating	Max. conductor operating temperature +90°C Min. ambient temperature for fixed installation -40°C Min. recommended installation temperature -15°C

Sheath Printing

Honest Cable CJ86/SC Size 0.6/1kV IEC 60332-3-22 Meter Mark Year

CJ86/SC CJ96/SC

Core NO.xSize (mm ²)	Outer Diameter (mm)	Gross Weight (kgs/km)	Currant Rating A at +45 °C	Core NO.xSize (mm ²)	Outer Diameter (mm)	Gross Weight (kgs/km)	Currant Rating A at +45 °C
1x1	5.7±0.8	52	18	4x1	9.9±0.8	155	13
1x1.5	5.9±0.8	60	23	5x1	10.7±1.0	176	10
1x2.5	6.6±0.8	76	30	7x1	11.7±1.0	218	9
1x4	7.1±0.8	96	40	10x1	15.0±1.0	350	8
1x6	7.7±0.8	123	52	12x1	15.4±1.0	389	8
1x10	8.9±0.8	172	72	14x1	16.3±1.0	420	7
1x16	9.9±0.8	242	96	16x1	17.1±1.0	466	7
1x25	11.8±1.0	357	127	19x1	18.0±1.0	542	7
1x35	13.0±1.0	494	157	24x1	21.0±1.5	675	6
1x50	14.6±1.0	663	196	27x1	21.6±1.5	713	6
1x70	17.5±1.0	891	242	30x1	22.3±1.5	774	5
1x95	18.9±1.0	1159	293	33x1	22.9±1.5	856	5
1x120	20.6±1.5	1434	339	37x1	24.2±1.5	936	5
1x150	22.5±1.5	1768	389	/	/	/	/
1x185	25.0±1.5	2161	444	/	/	/	/
1x240	28.2±1.5	2747	522	/	/	/	/
1x300	31.0±1.5	3379	601	/	/	/	/
2x1	8.7±0.8	99	14	4x1.5	10.3±1.0	180	16
2x1.5	9.3±0.8	116	20	5x1.5	11.3±1.0	212	13
2x2.5	10.1±1.0	149	26	7x1.5	12.2±1.0	306	12
2x4	11.3±1.0	192	34	10x1.5	15.9±1.0	423	11
2x6	12.4±1.0	271	44	12x1.5	16.3±1.0	461	10
2x10	15.0±1.0	379	61	14x1.5	17.1±1.0	516	10
2x16	17.1±1.0	529	82	16x1.5	18.0±1.0	589	9
2x25	20.6±1.5	793	108	19x1.5	19.1±1.0	670	9
2x35	23.2±1.5	1032	133	24x1.5	22.2±1.5	819	8
2x50	26.3±1.5	1384	167	27x1.5	22.7±1.5	890	8
2x70	30.5±1.5	1864	206	30x1.5	23.7±1.5	989	7
2x95	35.1±1.5	2426	249	33x1.5	24.5±1.5	1071	7
2x120	38.2±1.5	3093	288	37x1.5	25.4±1.5	1154	7
3x1	9.1±0.8	126	13	4x2.5	11.7±1.0	237	21
3x1.5	9.7±0.8	149	16	5x2.5	12.6±1.0	323	17
3x2.5	10.8±1.0	199	21	7x2.5	14.1±1.0	404	16
3x4	11.9±1.0	260	28	10x2.5	17.8±1.0	550	14
3x6	13.6±1.0	372	36	12x2.5	18.5±1.0	623	13
3x10	15.8±1.0	524	50	14x2.5	19.4±1.0	718	13
3x16	18.2±1.0	739	67	16x2.5	20.4±1.5	802	12
3x25	22.2±1.5	1093	89	19x2.5	21.7±1.5	900	11
3x35	25.0±1.5	1414	110	24x2.5	25.3±1.5	1131	10
3x50	28.2±1.5	1919	137	27x2.5	25.8±1.5	1258	10
3x70	32.9±1.5	2631	169	30x2.5	26.9±1.5	1373	9
3x95	37.9±1.5	3542	205	33x2.5	27.7±1.5	1468	9
3x120	41.3±2.0	4338	237	37x2.5	29.2±1.5	1618	9
3x150	45.8±2.0	5358	272	/	/	/	/
3x185	51.1±2.0	6623	311	/	/	/	/

※ Cable with ye/gn color earth core is available and mark on sheath is,for example: 2x1.5+E

CJ86/NC

Fire Resistant Armoured Marine Power and Control Cable 0.6/1kV



Construction

Structure	Code	Construction Detail
1.Conductor	C	- stranded tinned copper wire as per IEC 60228,class 2 - class 5 (flexible) as request
2.Insulation	J	- fire-proof Mica tape - XLPE plastic, IEC 60092-360
3.Cabling		cabling with optional fillers to obtain round cable
4.Covering		polyester tape
5.Armour	8	tinned copper wire braided (TCWB)
6.Sheath	6	thermoplastic polyolefine, SHF1 as per IEC 60092-360 standard color black, orange color as request
7.Core Identification		1C: not specified 2C: white, red 3C: white, red, blue 4C: white, red, blue, black 5C & above: white core with black number Earth core is green/yellow color
8.Combustion Property	NC	Fire Resistant, Flame Retardant, Halogen Free and Low Smoke

Application

For fixed installation in most areas and on open deck on shipboard and offshore units.

Main Characteristics

Rating Voltage	0.6/1kV(1.2kV)
Testing Voltage	3.5kV for 5 mins
Fire Resistant	IEC 60331-21
Flame Retardant	IEC 60332-1 & IEC 60332-3-22,Cat.A
Halogen Free	IEC 60754 series
Smoke Emission	IEC 61034 series
Temperature Rating	Max. conductor operating temperature +90°C Min. ambient temperature for fixed installation -40°C Min. recommended installation temperature -15°C

Sheath Printing

Honest Cable CJ86/NC Size 0.6/1kV IEC 60331 & IEC 60332-3-22 Meter Mark Year

CJ86/NC CJ96/NC

Core NO.xSize (mm ²)	Outer Diameter (mm)	Gross Weight (kgs/km)	Currant Rating A at +45 °C	Core NO.xSize (mm ²)	Outer Diameter (mm)	Gross Weight (kgs/km)	Currant Rating A at +45 °C
1x1	6.1±0.8	58	18	4x1	11.0±1.0	169	13
1x1.5	6.3±0.8	67	23	5x1	11.9±1.0	193	10
1x2.5	6.8±0.8	83	30	7x1	12.9±1.0	271	9
1x4	7.3±0.8	104	40	10x1	16.8±1.0	390	8
1x6	7.9±0.8	131	52	12x1	17.2±1.0	435	8
1x10	9.1±0.8	181	72	14x1	18.1±1.0	470	7
1x16	10.1±1.0	252	96	16x1	19.2±1.0	522	7
1x25	12.0±1.0	368	127	19x1	20.2±1.5	609	7
1x35	13.4±1.0	512	157	24x1	23.6±1.5	762	6
1x50	14.8±1.0	682	196	27x1	24.2±1.5	805	6
1x70	17.0±1.0	913	242	30x1	25.1±1.5	875	5
1x95	19.3±1.0	1183	293	33x1	25.7±1.5	968	5
1x120	21.0±1.5	1459	339	37x1	27.2±1.5	1059	5
1x150	22.9±1.5	1795	389	/	/	/	/
1x185	25.4±1.5	2191	444	/	/	/	/
1x240	28.6±1.5	2779	522	/	/	/	/
1x300	31.4±1.5	3413	601	/	/	/	/
2x1	9.4±0.8	112	14	4x1.5	11.5±1.0	195	16
2x1.5	9.8±1.0	130	20	5x1.5	12.4±1.0	260	13
2x2.5	10.9±1.0	164	26	7x1.5	13.9±1.0	334	12
2x4	12.0±1.0	208	34	10x1.5	17.5±1.0	466	11
2x6	13.3±1.0	295	44	12x1.5	18.0±1.0	508	10
2x10	15.6±1.0	405	61	14x1.5	19.1±1.0	570	10
2x16	17.8±1.0	558	82	16x1.5	20.0±1.0	651	9
2x25	21.6±1.5	811	108	19x1.5	21.3±1.0	741	9
2x35	24.2±1.5	1052	133	24x1.5	24.8±1.5	909	8
2x50	27.1±1.5	1407	167	27x1.5	25.4±1.5	989	8
2x70	31.3±1.5	1889	206	30x1.5	26.4±1.5	1100	7
2x95	35.8±1.5	2454	249	33x1.5	27.1±1.5	1192	7
2x120	39.2±1.5	3125	288	37x1.5	28.4±1.5	1284	7
3x1	10.0±1.0	136	13	4x2.5	12.6±1.0	284	21
3x1.5	10.4±1.0	160	16	5x2.5	14.2±1.0	347	17
3x2.5	11.6±1.0	212	21	7x2.5	15.3±1.0	436	16
3x4	12.7±1.0	308	28	10x2.5	19.6±1.0	595	14
3x6	14.4±1.0	389	36	12x2.5	20.2±1.5	675	13
3x10	16.9±1.0	544	50	14x2.5	21.4±1.5	780	13
3x16	19.2±1.0	761	67	16x2.5	22.5±1.5	871	12
3x25	23.1±1.5	1119	89	19x2.5	23.9±1.5	978	11
3x35	25.9±1.5	1443	110	24x2.5	27.9±1.5	1232	10
3x50	29.3±1.5	1951	137	27x2.5	28.5±1.5	1371	10
3x70	33.8±1.5	2668	169	30x2.5	29.7±1.5	1497	9
3x95	38.7±1.5	3585	205	33x2.5	30.6±1.5	1601	9
3x120	42.4±2.0	4384	237	37x2.5	32.2±1.5	1764	9
3x150	46.6±2.0	5408	272	/	/	/	/
3x185	52.0±2.0	6679	311	/	/	/	/

※ Cable with ye/gn color earth core is available and mark on sheath is, for example: 2x1.5+E