



Type: CHJP86/SC  
CHJP85/SC



### Standards applied

Design	: IEC 60092-350、376
Conductor	: IEC 60228
Insulation & sheath	: IEC 60092-360
Flame Retardant	: IEC 60332-1
Flame Retardant	: IEC 60332-3-22
Halogen content	: IEC60754
Smoke emission	: IEC 61034
Fluorine content	: IEC60684-2
Max.rated conductor temperature:	90°C

### Application

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.

### Construction

Components	Code	Material/description
Series code	CH	Shipboard Instrumentation cable
Conductor		Stranded tinned annealed copper, IEC 60228 Class 2
Insulation	J	XLPE, IEC 60092-360
Individual screen	P	AL/PS tape with tinned copper drain wire Each pair/triad is wrapped with polyester tape to prevent electrical contact with adjacent pairs/triads
Cabling		Flame retardant & non-hygroscopic fillers may be used
		Suitable tape(s) may be applied on the cabled core
Armor	8	Tinned copper wire braid (TCWB)
Outer sheath	6	Halogen-free flame retardant thermoplastic compound (SHF1)
	5	Halogen-free flame retardant thermoset compound (SHF2)
Flammability	SC	LSHF Flame retardant



## CABLE TYPE: CHJP86/SC,CHJP85/SC 150/250V

No. of cores	Conductor			Thickness of Insulation	Dia. of wire for armour	Thickness of sheath	Overall diameter		Approx. weight
	Nominal Area	Number of wires	Nom. Dia.				Nominal	Tol.	
No.	mm <sup>2</sup>	ea.	mm	mm	mm	mm	mm	±mm	kg/km
2x2	0.75	7	1.11	0.5	0.2	1.2	12.6	0.6	210
3x2	0.75	7	1.11	0.5	0.2	1.2	13.3	0.7	240
4x2	0.75	7	1.11	0.5	0.3	1.3	14.5	0.7	330
5x2	0.75	7	1.11	0.5	0.3	1.3	16.4	0.8	360
7x2	0.75	7	1.11	0.5	0.3	1.4	18.0	0.9	450
8x2	0.75	7	1.11	0.5	0.3	1.5	20.0	1.0	520
10x2	0.75	7	1.11	0.5	0.3	1.6	22.8	1.1	630
12x2	0.75	7	1.11	0.5	0.3	1.6	23.5	1.2	700
14x2	0.75	7	1.11	0.5	0.3	1.6	24.8	1.2	770
16x2	0.75	7	1.11	0.5	0.3	1.7	26.1	1.3	870
19x2	0.75	7	1.11	0.5	0.3	1.8	27.7	1.4	990
24x2	0.75	7	1.11	0.5	0.3	1.9	32.3	1.6	1230
30x2	0.75	7	1.11	0.5	0.3	2.0	34.3	1.7	1460
33x2	0.75	7	1.11	0.5	0.4	2.1	35.8	1.8	1690
37x2	0.75	7	1.11	0.5	0.4	2.1	37.2	1.9	1840
2x2	1	7	1.29	0.5	0.2	1.2	13.3	0.7	240
3x2	1	7	1.29	0.5	0.3	1.3	14.1	0.7	320
4x2	1	7	1.29	0.5	0.3	1.3	16.0	0.8	380
5x2	1	7	1.29	0.5	0.3	1.4	17.4	0.9	420
7x2	1	7	1.29	0.5	0.3	1.4	19.0	1.0	520
8x2	1	7	1.29	0.5	0.3	1.5	21.6	1.1	600
10x2	1	7	1.29	0.5	0.3	1.6	24.4	1.2	730
12x2	1	7	1.29	0.5	0.3	1.7	25.2	1.3	840
14x2	1	7	1.29	0.5	0.3	1.7	26.4	1.3	930
16x2	1	7	1.29	0.5	0.3	1.8	28.0	1.4	1050
19x2	1	7	1.29	0.5	0.3	1.8	29.6	1.5	1180
24x2	1	7	1.29	0.5	0.3	2.0	34.6	1.7	1490
30x2	1	7	1.29	0.5	0.4	2.1	36.8	1.8	1890
33x2	1	7	1.29	0.5	0.4	2.2	38.4	1.9	2050
37x2	1	7	1.29	0.5	0.4	2.2	40.3	2.0	2230
2x2	1.5	7	1.56	0.6	0.3	1.3	15.8	0.8	350
3x2	1.5	7	1.56	0.6	0.3	1.4	16.7	0.8	410
4x2	1.5	7	1.56	0.6	0.3	1.4	18.4	0.9	490
5x2	1.5	7	1.56	0.6	0.3	1.5	20.0	1.0	540
7x2	1.5	7	1.56	0.6	0.3	1.5	22.1	1.1	660
8x2	1.5	7	1.56	0.6	0.3	1.7	24.9	1.2	780
10x2	1.5	7	1.56	0.6	0.3	1.8	28.2	1.4	950
12x2	1.5	7	1.56	0.6	0.3	1.8	29.3	1.5	1070
14x2	1.5	7	1.56	0.6	0.3	1.9	30.7	1.5	1210
16x2	1.5	7	1.56	0.6	0.3	1.9	32.6	1.6	1340
19x2	1.5	7	1.56	0.6	0.3	2.0	34.3	1.7	1540
24x2	1.5	7	1.56	0.6	0.4	2.3	41.1	2.1	2090
30x2	1.5	7	1.56	0.6	0.4	2.3	43.6	2.2	2440
33x2	1.5	7	1.56	0.6	0.4	2.4	45.3	2.3	2650
37x2	1.5	7	1.56	0.6	0.4	2.5	47.2	2.4	2920
2x2	2.5	7	2.04	0.6	0.3	1.4	17.2	0.9	440
3x2	2.5	7	2.04	0.6	0.3	1.4	18.4	0.9	520
4x2	2.5	7	2.04	0.6	0.3	1.5	20.1	1.0	640
5x2	2.5	7	2.04	0.6	0.3	1.6	22.3	1.1	710
7x2	2.5	7	2.04	0.6	0.3	1.6	24.4	1.2	890
8x2	2.5	7	2.04	0.6	0.3	1.8	27.5	1.4	1050
10x2	2.5	7	2.04	0.6	0.3	1.9	31.2	1.6	1280
12x2	2.5	7	2.04	0.6	0.3	1.9	32.5	1.6	1450
14x2	2.5	7	2.04	0.6	0.3	2.0	34.1	1.7	1650
16x2	2.5	7	2.04	0.6	0.4	2.1	36.1	1.8	1960
19x2	2.5	7	2.04	0.6	0.4	2.2	38.7	1.9	2250
24x2	2.5	7	2.04	0.6	0.4	2.4	45.5	2.3	2820
30x2	2.5	7	2.04	0.6	0.4	2.5	48.4	2.4	3370
33x2	2.5	7	2.04	0.6	0.4	2.6	50.4	2.5	3670
37x2	2.5	7	2.04	0.6	0.4	2.7	52.6	2.6	4050



# YUANYANG CABLES

**CABLE TYPE: CHJP86/SC,CHJP85/SC 150/250V**

No. of cores	Conductor			Thickness of Insulation	Dia. of wire for armour	Thickness of sheath	Overall diameter		Approx. weight
	Nominal Area	Number of wires	Nom. Dia.				Nominal	Tol.	
No.	mm <sup>2</sup>	ea.	mm	mm	mm	mm	mm	±mm	kg/km
2X3	0.75	7	1.11	0.5	0.3	1.3	13.9	0.7	290
3X3	0.75	7	1.11	0.5	0.3	1.3	14.7	0.7	340
4X3	0.75	7	1.11	0.5	0.3	1.4	16.7	0.8	410
5X3	0.75	7	1.11	0.5	0.3	1.4	18.3	0.9	450
7X3	0.75	7	1.11	0.5	0.3	1.5	19.8	1.0	560
8X3	0.75	7	1.11	0.5	0.3	1.6	22.5	1.1	650
10X3	0.75	7	1.11	0.5	0.3	1.7	25.5	1.3	790
12X3	0.75	7	1.11	0.5	0.3	1.7	26.3	1.3	890
14X3	0.75	7	1.11	0.5	0.3	1.8	27.8	1.4	1000
16X3	0.75	7	1.11	0.5	0.3	1.8	29.3	1.5	1110
19X3	0.75	7	1.11	0.5	0.3	1.9	31.0	1.6	1270
24X3	0.75	7	1.11	0.5	0.4	2.1	36.5	1.8	1710
30X3	0.75	7	1.11	0.5	0.4	2.2	38.5	1.9	2010
33X3	0.75	7	1.11	0.5	0.4	2.2	40.7	2.0	2170
37X3	0.75	7	1.11	0.5	0.4	2.3	42.4	2.1	2380
2X3	1	7	1.29	0.5	0.3	1.3	15.3	0.8	360
3X3	1	7	1.29	0.5	0.3	1.4	16.2	0.8	430
4X3	1	7	1.29	0.5	0.3	1.4	17.8	0.9	510
5X3	1	7	1.29	0.5	0.3	1.5	19.3	1.0	560
7X3	1	7	1.29	0.5	0.3	1.6	21.4	1.1	710
8X3	1	7	1.29	0.5	0.3	1.7	24.0	1.2	830
10X3	1	7	1.29	0.5	0.3	1.8	27.2	1.4	1000
12X3	1	7	1.29	0.5	0.3	1.8	28.1	1.4	1130
14X3	1	7	1.29	0.5	0.3	1.9	29.6	1.5	1280
16X3	1	7	1.29	0.5	0.3	2.0	31.2	1.6	1440
19X3	1	7	1.29	0.5	0.3	2.0	33.1	1.7	1630
24X3	1	7	1.29	0.5	0.4	2.3	39.4	2.0	2200
30X3	1	7	1.29	0.5	0.4	2.4	41.8	2.1	2610
33X3	1	7	1.29	0.5	0.4	2.5	43.4	2.2	2840
37X3	1	7	1.29	0.5	0.4	2.5	45.3	2.3	3100
2X3	1.5	7	1.56	0.6	0.3	1.4	17.4	0.9	430
3X3	1.5	7	1.56	0.6	0.3	1.4	18.6	0.9	500
4X3	1.5	7	1.56	0.6	0.3	1.5	20.3	1.0	620
5X3	1.5	7	1.56	0.6	0.3	1.6	22.5	1.1	680
7X3	1.5	7	1.56	0.6	0.3	1.6	24.7	1.2	850
8X3	1.5	7	1.56	0.6	0.3	1.8	27.8	1.4	1000
10X3	1.5	7	1.56	0.6	0.3	1.9	31.5	1.6	1230
12X3	1.5	7	1.56	0.6	0.3	1.9	32.8	1.6	1380
14X3	1.5	7	1.56	0.6	0.3	2.0	34.4	1.7	1570
16X3	1.5	7	1.56	0.6	0.4	2.1	36.5	1.8	1880
19X3	1.5	7	1.56	0.6	0.4	2.2	39.1	2.0	2150
24X3	1.5	7	1.56	0.6	0.4	2.4	46.0	2.3	2700
30X3	1.5	7	1.56	0.6	0.4	2.5	48.9	2.4	3210
33X3	1.5	7	1.56	0.6	0.4	2.6	51.0	2.6	3490
37X3	1.5	7	1.56	0.6	0.4	2.7	53.1	2.7	3850
2X3	2.5	7	2.04	0.6	0.3	1.4	19.1	1.0	540
3X3	2.5	7	2.04	0.6	0.3	1.5	20.6	1.0	660
4X3	2.5	7	2.04	0.6	0.3	1.6	22.5	1.1	820
5X3	2.5	7	2.04	0.6	0.3	1.7	24.7	1.2	920
7X3	2.5	7	2.04	0.6	0.3	1.7	27.1	1.4	1170
8X3	2.5	7	2.04	0.6	0.3	1.9	30.6	1.5	1370
10X3	2.5	7	2.04	0.6	0.3	2.0	35.0	1.8	1670
12X3	2.5	7	2.04	0.6	0.4	2.1	36.1	1.8	2040
14X3	2.5	7	2.04	0.6	0.4	2.2	38.6	1.9	2310
16X3	2.5	7	2.04	0.6	0.4	2.3	40.9	2.0	2600
19X3	2.5	7	2.04	0.6	0.4	2.3	43.3	2.2	2970
24X3	2.5	7	2.04	0.6	0.4	2.6	50.9	2.5	3760
30X3	2.5	7	2.04	0.6	0.4	2.8	54.1	2.7	4530
33X3	2.5	7	2.04	0.6	0.4	2.8	56.4	2.8	4910
37X3	2.5	7	2.04	0.6	0.4	2.9	58.8	2.9	5430



Type: CHJPPF86/SC , CHJJP85/SC  
CHJPPF96/SC , CHJJP95/SC



### Standards applied

Design : IEC 60092-350、376  
 Conductor : IEC 60228  
 Insulation & sheath : IEC 60092-360  
 Flame Retardant : IEC 60332-1  
 Flame Retardant : IEC 60332-3-22  
 Halogen content : IEC60754  
 Smoke emission : IEC 61034  
 Fluorine content : IEC60684-2  
 Max.rated conductor temperature: 90°C

### Application

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.

### Construction

Components	Code	Material/description
Series code	CH	Shipboard Instrumentation cable
Conductor		Stranded tinned annealed copper, IEC 60228 Class 2
Insulation	J	XLPE, IEC 60092-360
Individual screen	P	AL/PS tape with tinned copper drain wire Each pair/triad is wrapped with polyester tape to prevent electrical contact with adjacent pairs/triads
Cabling		Flame retardant & non-hygroscopic fillers may be used
		Suitable tape(s) may be applied on the cabled core
Inner sheath	PF	Halogen-free flame retardant thermoplastic compound (SHF1)
	PJ	Halogen-free flame retardant thermoset compound (SHF2)
Armor	8	Tinned copper wire braid (TCWB)
	9	Galvanized steel wire braided (GSWB)
Outer sheath	6	Halogen-free flame retardant thermoplastic compound (SHF1)
	5	Halogen-free flame retardant thermoset compound (SHF2)
Flammability	SC	LSHF Flame retardant



## CABLE TYPE: CHJFPF86/SC , CHJJP85/SC , CHJFPF96/SC , CHJJP95/SC 150/250V

No. of cores	Conductor			Thickness of Insulation	Thickness of inner sheath	Nominal dia. inner sheath	Dia. of wire for armour	Thickness of outer sheath	Overall diameter		Approx. weight
	Nominal Area	Number of wires	Nom. Dia.						Nominal	Tol.	
No.	mm <sup>2</sup>	ea.	mm	mm	mm	mm	mm	mm	±mm	kg/km	
2x2	0.75	7	1.11	0.5	1.2	11.4	0.3	0.9	15.3	0.8	320
3x2	0.75	7	1.11	0.5	1.2	12.3	0.3	0.9	16.2	0.8	350
4x2	0.75	7	1.11	0.5	1.3	13.5	0.3	1.0	17.4	0.9	430
5x2	0.75	7	1.11	0.5	1.3	14.7	0.3	1.0	18.8	0.9	460
7x2	0.75	7	1.11	0.5	1.4	16.3	0.3	1.1	20.4	1.0	570
8x2	0.75	7	1.11	0.5	1.4	18.5	0.3	1.1	22.8	1.1	640
10x2	0.75	7	1.11	0.5	1.5	21.3	0.3	1.2	25.6	1.3	770
12x2	0.75	7	1.11	0.5	1.6	22.0	0.3	1.2	26.3	1.3	860
14x2	0.75	7	1.11	0.5	1.6	23.1	0.3	1.2	27.6	1.4	950
16x2	0.75	7	1.11	0.5	1.7	24.6	0.3	1.3	29.1	1.5	1070
19x2	0.75	7	1.11	0.5	1.7	26.0	0.3	1.3	30.5	1.5	1190
24x2	0.75	7	1.11	0.5	1.9	30.8	0.4	1.4	35.7	1.8	1570
30x2	0.75	7	1.11	0.5	2.0	32.8	0.4	1.5	38.4	1.9	1830
33x2	0.75	7	1.11	0.5	2.0	34.1	0.4	1.5	39.7	2.0	1960
37x2	0.75	7	1.11	0.5	2.1	35.7	0.4	1.6	41.5	2.1	2180
2x2	1	7	1.29	0.5	1.2	12.3	0.3	0.9	16.2	0.8	350
3x2	1	7	1.29	0.5	1.2	13.1	0.3	1.0	17	0.9	410
4x2	1	7	1.29	0.5	1.3	14.3	0.3	1.0	18.4	0.9	480
5x2	1	7	1.29	0.5	1.3	15.9	0.3	1.0	20	1.0	520
7x2	1	7	1.29	0.5	1.4	17.3	0.3	1.1	21.4	1.1	650
8x2	1	7	1.29	0.5	1.5	19.7	0.3	1.1	24	1.2	750
10x2	1	7	1.29	0.5	1.6	22.7	0.3	1.2	27.2	1.4	910
12x2	1	7	1.29	0.5	1.6	23.5	0.3	1.2	28	1.4	1000
14x2	1	7	1.29	0.5	1.7	24.9	0.3	1.3	29.4	1.5	1130
16x2	1	7	1.29	0.5	1.7	26.3	0.3	1.3	30.8	1.5	1240
19x2	1	7	1.29	0.5	1.8	27.9	0.3	1.3	32.8	1.6	1410
24x2	1	7	1.29	0.5	2.0	33.1	0.4	1.5	38.7	1.9	1870
30x2	1	7	1.29	0.5	2.1	35.1	0.4	1.5	40.9	2.0	2200
33x2	1	7	1.29	0.5	2.1	36.7	0.4	1.6	42.5	2.1	2380
37x2	1	7	1.29	0.5	2.2	38.3	0.4	1.6	44.1	2.2	2590
2x2	1.5	7	1.56	0.6	1.3	14.1	0.3	1.0	18.2	0.9	450
3x2	1.5	7	1.56	0.6	1.3	15.2	0.3	1.0	19.3	1.0	510
4x2	1.5	7	1.56	0.6	1.4	16.7	0.3	1.1	20.8	1.0	610
5x2	1.5	7	1.56	0.6	1.4	18.5	0.3	1.1	22.8	1.1	660
7x2	1.5	7	1.56	0.6	1.5	20.2	0.3	1.2	24.5	1.2	820
8x2	1.5	7	1.56	0.6	1.6	23.2	0.3	1.2	27.7	1.4	940
10x2	1.5	7	1.56	0.6	1.7	26.7	0.3	1.3	31.6	1.6	1150
12x2	1.5	7	1.56	0.6	1.8	27.6	0.3	1.3	32.5	1.6	1290
14x2	1.5	7	1.56	0.6	1.8	29.0	0.3	1.4	33.9	1.7	1440
16x2	1.5	7	1.56	0.6	1.9	30.9	0.4	1.4	36	1.8	1680
19x2	1.5	7	1.56	0.6	2.0	32.8	0.4	1.5	38.4	1.9	1920
24x2	1.5	7	1.56	0.6	2.2	38.9	0.4	1.6	44.9	2.2	2430
30x2	1.5	7	1.56	0.6	2.3	41.4	0.4	1.7	47.4	2.4	2850
33x2	1.5	7	1.56	0.6	2.4	43.1	0.4	1.7	49.3	2.5	3080
37x2	1.5	7	1.56	0.6	2.4	45.0	0.4	1.8	51.2	2.6	3360
2x2	2.5	7	2.04	0.6	1.3	15.7	0.3	1.0	19.8	1.0	540
3x2	2.5	7	2.04	0.6	1.4	16.7	0.3	1.1	20.8	1.0	640
4x2	2.5	7	2.04	0.6	1.4	18.6	0.3	1.1	22.9	1.1	760
5x2	2.5	7	2.04	0.6	1.5	20.8	0.3	1.2	25.1	1.3	850
7x2	2.5	7	2.04	0.6	1.6	22.7	0.3	1.2	27.2	1.4	1060
8x2	2.5	7	2.04	0.6	1.7	25.8	0.3	1.3	30.3	1.5	1240
10x2	2.5	7	2.04	0.6	1.8	29.7	0.4	1.4	34.6	1.7	1580
12x2	2.5	7	2.04	0.6	1.9	30.8	0.4	1.4	35.9	1.8	1780
14x2	2.5	7	2.04	0.6	2.0	32.6	0.4	1.5	38.2	1.9	2020
16x2	2.5	7	2.04	0.6	2.0	34.4	0.4	1.5	40.2	2.0	2220
19x2	2.5	7	2.04	0.6	2.1	36.5	0.4	1.6	42.3	2.1	2570
24x2	2.5	7	2.04	0.6	2.4	43.5	0.4	1.8	49.7	2.5	3280
30x2	2.5	7	2.04	0.6	2.5	46.4	0.4	1.8	52.6	2.6	3850
33x2	2.5	7	2.04	0.6	2.5	48.2	0.4	1.9	54.6	2.7	4160
37x2	2.5	7	2.04	0.6	2.6	50.4	0.4	1.9	56.8	2.8	4560

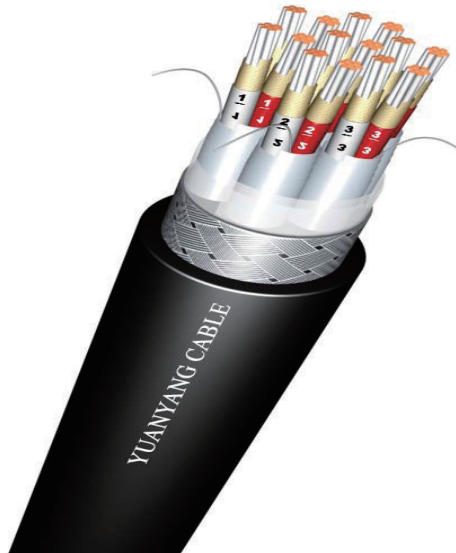


## CABLE TYPE: CHJFPF86/SC , CHJJP85/SC , CHJFPF96/SC , CHJJP95/SC 150/250V

No. of cores	Conductor			Thickness of Insulation	Thickness of inner sheath	Nominal dia. inner sheath	Dia. of wire for armour	Thickness of outer sheath	Overall diameter		Approx. weight
	Nominal Area	Number of wires	Nom. Dia.						Nominal	Tol.	
No.	mm <sup>2</sup>	ea.	mm	mm	mm	mm	mm	mm	±mm	kg/km	
2X3	0.75	7	1.11	0.5	1.2	12.9	0.3	1.0	16.8	0.8	370
3X3	0.75	7	1.11	0.5	1.3	13.7	0.3	1.0	17.6	0.9	420
4X3	0.75	7	1.11	0.5	1.3	15.0	0.3	1.0	19.1	1.0	500
5X3	0.75	7	1.11	0.5	1.4	16.6	0.3	1.1	20.7	1.0	560
7X3	0.75	7	1.11	0.5	1.4	18.3	0.3	1.1	22.6	1.1	680
8X3	0.75	7	1.11	0.5	1.5	20.6	0.3	1.2	24.9	1.2	790
10X3	0.75	7	1.11	0.5	1.6	23.8	0.3	1.2	28.3	1.4	950
12X3	0.75	7	1.11	0.5	1.7	24.8	0.3	1.3	29.3	1.5	1080
14X3	0.75	7	1.11	0.5	1.7	26.1	0.4	1.3	30.6	1.5	1190
16X3	0.75	7	1.11	0.5	1.8	27.8	0.4	1.3	32.7	1.6	1320
19X3	0.75	7	1.11	0.5	1.8	29.3	0.4	1.4	34.2	1.7	1490
24X3	0.75	7	1.11	0.5	2.0	34.8	0.4	1.5	40.4	2.0	1970
30X3	0.75	7	1.11	0.5	2.1	37.0	0.4	1.6	42.8	2.1	2340
33X3	0.75	7	1.11	0.5	2.2	38.5	0.4	1.6	44.3	2.2	2520
37X3	0.75	7	1.11	0.5	2.2	40.2	0.4	1.7	46.2	2.3	2750
2X3	1	7	1.29	0.5	1.3	13.6	0.4	1.0	17.7	0.9	450
3X3	1	7	1.29	0.5	1.3	14.5	0.3	1.0	18.6	0.9	520
4X3	1	7	1.29	0.5	1.4	16.1	0.3	1.1	20.2	1.0	630
5X3	1	7	1.29	0.5	1.5	17.8	0.3	1.1	22.1	1.1	680
7X3	1	7	1.29	0.5	1.5	19.5	0.3	1.2	23.8	1.2	860
8X3	1	7	1.29	0.5	1.6	22.3	0.3	1.2	26.8	1.3	980
10X3	1	7	1.29	0.5	1.8	25.5	0.3	1.3	30.0	1.5	1220
12X3	1	7	1.29	0.5	1.8	26.4	0.3	1.3	30.9	1.5	1350
14X3	1	7	1.29	0.5	1.9	27.9	0.4	1.4	32.8	1.6	1580
16X3	1	7	1.29	0.5	1.9	29.7	0.4	1.4	34.6	1.7	1760
19X3	1	7	1.29	0.5	2.0	31.4	0.4	1.5	36.5	1.8	2010
24X3	1	7	1.29	0.5	2.2	37.2	0.4	1.7	43.0	2.2	2570
30X3	1	7	1.29	0.5	2.3	39.6	0.4	1.7	45.6	2.3	3000
33X3	1	7	1.29	0.5	2.4	41.4	0.4	1.8	47.4	2.4	3270
37X3	1	7	1.29	0.5	2.5	43.1	0.4	1.8	49.3	2.5	3570
2X3	1.5	7	1.56	0.6	1.3	15.9	0.4	1.0	20.0	1.0	520
3X3	1.5	7	1.56	0.6	1.4	16.9	0.4	1.1	21.0	1.1	620
4X3	1.5	7	1.56	0.6	1.4	18.8	0.3	1.1	23.1	1.2	740
5X3	1.5	7	1.56	0.6	1.5	21.0	0.3	1.2	25.3	1.3	820
7X3	1.5	7	1.56	0.6	1.6	23.0	0.3	1.2	27.5	1.4	1020
8X3	1.5	7	1.56	0.6	1.7	26.1	0.3	1.3	30.6	1.5	1190
10X3	1.5	7	1.56	0.6	1.9	30.0	0.3	1.4	34.9	1.7	1550
12X3	1.5	7	1.56	0.6	1.9	31.1	0.3	1.4	36.2	1.8	1720
14X3	1.5	7	1.56	0.6	2.0	32.9	0.3	1.5	38.5	1.9	1940
16X3	1.5	7	1.56	0.6	2.0	34.8	0.4	1.5	40.6	2.0	2140
19X3	1.5	7	1.56	0.6	2.1	36.9	0.4	1.6	42.7	2.1	2470
24X3	1.5	7	1.56	0.6	2.4	43.8	0.4	1.8	50.0	2.5	3150
30X3	1.5	7	1.56	0.6	2.5	46.7	0.4	1.8	52.9	2.6	3690
33X3	1.5	7	1.56	0.6	2.6	48.8	0.4	1.9	55.2	2.8	4010
37X3	1.5	7	1.56	0.6	2.6	50.9	0.4	1.9	57.3	2.9	4370
2X3	2.5	7	2.04	0.6	1.4	17.6	0.4	1.1	21.9	1.1	660
3X3	2.5	7	2.04	0.6	1.4	18.7	0.4	1.1	23.0	1.2	780
4X3	2.5	7	2.04	0.6	1.5	21.0	0.4	1.2	25.3	1.3	960
5X3	2.5	7	2.04	0.6	1.6	23.0	0.3	1.2	27.5	1.4	1070
7X3	2.5	7	2.04	0.6	1.7	25.4	0.3	1.3	29.9	1.5	1370
8X3	2.5	7	2.04	0.6	1.8	29.1	0.3	1.4	34.0	1.7	1590
10X3	2.5	7	2.04	0.6	2.0	33.3	0.3	1.5	38.9	1.9	2050
12X3	2.5	7	2.04	0.6	2.0	34.4	0.3	1.5	40.2	2.0	2300
14X3	2.5	7	2.04	0.6	2.1	36.4	0.3	1.6	42.2	2.1	2630
16X3	2.5	7	2.04	0.6	2.2	38.7	0.4	1.6	44.7	2.2	2930
19X3	2.5	7	2.04	0.6	2.3	41.1	0.4	1.7	47.1	2.4	3370
24X3	2.5	7	2.04	0.6	2.6	48.9	0.4	1.9	55.3	2.8	4290
30X3	2.5	7	2.04	0.6	2.7	52.1	0.4	2.0	58.7	2.9	5100
33X3	2.5	7	2.04	0.6	2.8	54.2	0.4	2.0	60.8	3.0	5530
37X3	2.5	7	2.04	0.6	2.9	56.6	0.4	2.1	63.4	3.0	6130



Type: CHJP86/NC  
CHJP85/NC



### Standards applied

Design : IEC 60092-350、376  
 Conductor : IEC 60228  
 Insulation & sheath : IEC 60092-360  
 Flame Retardant : IEC 60332-1  
 Flame Retardant : IEC 60332-3-22  
 Fire Resistance : IEC 60331  
 Halogen content : IEC60754  
 Smoke emission : IEC 61034  
 Fluorine content : IEC60684-2  
 Max.rated conductor temperature: 90°C

### Application

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.

### Construction

Components	Code	Material/description
Series code	CH	Shipboard Instrumentation cable
Conductor		Stranded tinned annealed copper, IEC 60228 Class 2
Fire Resistance		Mica/glass tape
Insulation	J	XLPE, IEC 60092-360
Individual screen	P	AL/PS tape with tinned copper drain wire Each pair/triad is wrapped with polyester tape to prevent electrical contact with adjacent pairs/triads
Cabling		Flame retardant & non-hygroscopic fillers may be used Suitable tape(s) may be applied on the cabled core
Aarmor	8	Tinned copper wire braid (TCWB)
Outer sheath	6	Halogen-free flame retardant thermoplastic compound (SHF1)
	5	Halogen-free flame retardant thermoset compound (SHF2)
Flammability	NC	LSHF Fire resistant





## CABLE TYPE: CHJP86/NC, CHJP85/NC 150/250V

No. of cores	Conductor			Thickness of Insulation	Dia. of wire for armour	Thickness of sheath	Overall diameter		Approx. weight
	Nominal Area	Number of wires	Nom. Dia.				Nominal	Tol.	
No.	mm <sup>2</sup>	ea.	mm	mm	mm	mm	mm	±mm	kg/km
2x2	0.75	7	1.11	0.5	0.3	1.4	17.1	0.9	360
3x2	0.75	7	1.11	0.5	0.3	1.4	18.1	0.9	400
4x2	0.75	7	1.11	0.5	0.3	1.5	19.9	1.0	480
5x2	0.75	7	1.11	0.5	0.3	1.5	21.6	1.1	500
7x2	0.75	7	1.11	0.5	0.3	1.6	23.7	1.2	630
8x2	0.75	7	1.11	0.5	0.3	1.7	26.8	1.3	730
10x2	0.75	7	1.11	0.5	0.3	1.9	30.6	1.5	900
12x2	0.75	7	1.11	0.5	0.3	1.9	31.6	1.6	990
14x2	0.75	7	1.11	0.5	0.3	2.0	33.4	1.7	1120
16x2	0.75	7	1.11	0.5	0.3	2.0	35.2	1.8	1230
19x2	0.75	7	1.11	0.5	0.4	2.1	38.0	1.9	1520
24x2	0.75	7	1.11	0.5	0.4	2.4	44.8	2.2	1920
30x2	0.75	7	1.11	0.5	0.4	2.5	47.5	2.4	2240
33x2	0.75	7	1.11	0.5	0.4	2.6	49.5	2.5	2430
37x2	0.75	7	1.11	0.5	0.4	2.6	51.4	2.6	2630
2x2	1	7	1.29	0.5	0.3	1.4	18.1	0.9	400
3x2	1	7	1.29	0.5	0.3	1.4	19.2	1.0	460
4x2	1	7	1.29	0.5	0.3	1.5	21.2	1.1	550
5x2	1	7	1.29	0.5	0.3	1.6	23.3	1.2	590
7x2	1	7	1.29	0.5	0.3	1.7	25.6	1.3	730
8x2	1	7	1.29	0.5	0.3	1.8	28.8	1.4	850
10x2	1	7	1.29	0.5	0.3	2.0	33.0	1.7	1050
12x2	1	7	1.29	0.5	0.3	2.0	34.0	1.7	1160
14x2	1	7	1.29	0.5	0.4	2.1	36.5	1.8	1410
16x2	1	7	1.29	0.5	0.4	2.2	38.8	1.9	1580
19x2	1	7	1.29	0.5	0.4	2.2	40.8	2.0	1770
24x2	1	7	1.29	0.5	0.4	2.5	48.2	2.4	2240
30x2	1	7	1.29	0.5	0.4	2.6	51.2	2.6	2630
33x2	1	7	1.29	0.5	0.4	2.7	53.4	2.7	2850
37x2	1	7	1.29	0.5	0.4	2.8	55.6	2.8	3130
2x2	1.5	7	1.56	0.6	0.3	1.4	19.2	1.0	450
3x2	1.5	7	1.56	0.6	0.3	1.5	20.6	1.0	530
4x2	1.5	7	1.56	0.6	0.3	1.6	22.7	1.1	640
5x2	1.5	7	1.56	0.6	0.3	1.7	24.9	1.2	680
7x2	1.5	7	1.56	0.6	0.3	1.7	27.2	1.4	840
8x2	1.5	7	1.56	0.6	0.3	1.9	30.9	1.5	990
10x2	1.5	7	1.56	0.6	0.3	2.0	35.1	1.8	1200
12x2	1.5	7	1.56	0.6	0.4	2.1	37.2	1.9	1470
14x2	1.5	7	1.56	0.6	0.4	2.2	39.2	2.0	1650
16x2	1.5	7	1.56	0.6	0.4	2.3	41.5	2.1	1840
19x2	1.5	7	1.56	0.6	0.4	2.3	43.7	2.2	2070
24x2	1.5	7	1.56	0.6	0.4	2.6	51.6	2.6	2630
30x2	1.5	7	1.56	0.6	0.4	2.8	55.1	2.8	3120
33x2	1.5	7	1.56	0.6	0.4	2.8	57.2	2.9	3360
37x2	1.5	7	1.56	0.6	0.4	2.9	59.6	3.0	3680
2x2	2.5	7	2.04	0.6	0.3	1.5	21.2	1.1	560
3x2	2.5	7	2.04	0.6	0.3	1.6	22.7	1.1	660
4x2	2.5	7	2.04	0.6	0.3	1.7	25.0	1.3	800
5x2	2.5	7	2.04	0.6	0.3	1.8	27.6	1.4	860
7x2	2.5	7	2.04	0.6	0.3	1.9	30.3	1.5	1090
8x2	2.5	7	2.04	0.6	0.3	2.0	34.1	1.7	1260
10x2	2.5	7	2.04	0.6	0.4	2.2	39.8	2.0	1670
12x2	2.5	7	2.04	0.6	0.4	2.3	41.3	2.1	1890
14x2	2.5	7	2.04	0.6	0.4	2.3	43.3	2.2	2110
16x2	2.5	7	2.04	0.6	0.4	2.4	45.9	2.3	2360
19x2	2.5	7	2.04	0.6	0.4	2.5	48.5	2.4	2700
24x2	2.5	7	2.04	0.6	0.4	2.9	57.6	2.9	3440
30x2	2.5	7	2.04	0.6	0.4	3.0	61.2	3.0	4070
33x2	2.5	7	2.04	0.6	0.4	3.1	63.8	3.0	4430
37x2	2.5	7	2.04	0.6	0.4	3.2	66.4	3.0	4870





## CABLE TYPE: CHJP86/NC, CHJP85/NC 150/250V

No. of cores	Conductor			Thickness of Insulation	Dia. of wire for armour	Thickness of sheath	Overall diameter		Approx. weight
	Nominal Area	Number of wires	Nom. Dia.				Nominal	Tol.	
No.	mm <sup>2</sup>	ea.	mm	mm	mm	mm	mm	±mm	kg/km
2X3	0.75	7	1.11	0.5	0.3	1.4	18.8	0.9	430
3X3	0.75	7	1.11	0.5	0.3	1.5	20.1	1.0	500
4X3	0.75	7	1.11	0.5	0.3	1.5	21.9	1.1	590
5X3	0.75	7	1.11	0.5	0.3	1.6	24.1	1.2	630
7X3	0.75	7	1.11	0.5	0.3	1.7	26.5	1.3	790
8X3	0.75	7	1.11	0.5	0.3	1.8	29.9	1.5	920
10X3	0.75	7	1.11	0.5	0.3	2.0	34.2	1.7	1130
12X3	0.75	7	1.11	0.5	0.3	2.0	35.3	1.8	1260
14X3	0.75	7	1.11	0.5	0.4	2.1	38.0	1.9	1540
16X3	0.75	7	1.11	0.5	0.4	2.2	40.3	2.0	1720
19X3	0.75	7	1.11	0.5	0.4	2.3	42.6	2.1	1950
24X3	0.75	7	1.11	0.5	0.4	2.6	50.3	2.5	2470
30X3	0.75	7	1.11	0.5	0.4	2.7	53.5	2.7	2900
33X3	0.75	7	1.11	0.5	0.4	2.8	55.7	2.8	3150
37X3	0.75	7	1.11	0.5	0.4	2.9	58.0	2.9	3450
2X3	1	7	1.29	0.5	0.3	1.5	20.2	1.0	490
3X3	1	7	1.29	0.5	0.3	1.5	21.4	1.1	570
4X3	1	7	1.29	0.5	0.3	1.6	23.6	1.2	690
5X3	1	7	1.29	0.5	0.3	1.7	26.1	1.3	740
7X3	1	7	1.29	0.5	0.3	1.8	28.6	1.4	940
8X3	1	7	1.29	0.5	0.3	1.9	32.2	1.6	1080
10X3	1	7	1.29	0.5	0.4	2.1	37.5	1.9	1440
12X3	1	7	1.29	0.5	0.4	2.2	39.0	2.0	1630
14X3	1	7	1.29	0.5	0.4	2.2	40.9	2.0	1810
16X3	1	7	1.29	0.5	0.4	2.3	43.3	2.2	2020
19X3	1	7	1.29	0.5	0.4	2.4	45.8	2.3	2300
24X3	1	7	1.29	0.5	0.4	2.7	54.2	2.7	2920
30X3	1	7	1.29	0.5	0.4	2.9	57.8	2.9	3470
33X3	1	7	1.29	0.5	0.4	3.0	60.2	3.0	3760
37X3	1	7	1.29	0.5	0.4	3.0	62.5	3.0	4100
2X3	1.5	7	1.56	0.6	0.3	1.5	21.4	1.1	560
3X3	1.5	7	1.56	0.6	0.3	1.6	22.9	1.1	660
4X3	1.5	7	1.56	0.6	0.3	1.7	25.4	1.3	810
5X3	1.5	7	1.56	0.6	0.3	1.8	27.9	1.4	870
7X3	1.5	7	1.56	0.6	0.3	1.9	30.6	1.5	1100
8X3	1.5	7	1.56	0.6	0.3	2.0	34.5	1.7	1280
10X3	1.5	7	1.56	0.6	0.4	2.2	40.2	2.0	1690
12X3	1.5	7	1.56	0.6	0.4	2.3	41.7	2.1	1920
14X3	1.5	7	1.56	0.6	0.4	2.4	44.0	2.2	2160
16X3	1.5	7	1.56	0.6	0.4	2.4	46.4	2.3	2390
19X3	1.5	7	1.56	0.6	0.4	2.5	49.1	2.5	2730
24X3	1.5	7	1.56	0.6	0.4	2.9	58.3	2.9	3490
30X3	1.5	7	1.56	0.6	0.4	3.0	61.9	3.0	4120
33X3	1.5	7	1.56	0.6	0.4	3.1	64.5	3.0	4480
37X3	1.5	7	1.56	0.6	0.4	3.2	67.2	3.0	4920
2X3	2.5	7	2.04	0.6	0.3	1.6	23.6	1.2	700
3X3	2.5	7	2.04	0.6	0.3	1.7	25.4	1.3	840
4X3	2.5	7	2.04	0.6	0.3	1.8	28.0	1.4	1030
5X3	2.5	7	2.04	0.6	0.3	1.9	30.8	1.5	1120
7X3	2.5	7	2.04	0.6	0.3	2.0	33.8	1.7	1430
8X3	2.5	7	2.04	0.6	0.4	2.2	39.1	2.0	1790
10X3	2.5	7	2.04	0.6	0.4	2.4	44.6	2.2	2200
12X3	2.5	7	2.04	0.6	0.4	2.4	46.1	2.3	2480
14X3	2.5	7	2.04	0.6	0.4	2.5	48.7	2.4	2810
16X3	2.5	7	2.04	0.6	0.4	2.6	51.6	2.6	3140
19X3	2.5	7	2.04	0.6	0.4	2.8	54.8	2.7	3640
24X3	2.5	7	2.04	0.6	0.4	3.1	64.8	3.0	4600
30X3	2.5	7	2.04	0.6	0.4	3.3	69.0	3.0	5510
33X3	2.5	7	2.04	0.6	0.4	3.4	71.9	3.0	5990
37X3	2.5	7	2.04	0.6	0.4	3.5	74.9	3.0	6600



Type: CHJPPF86/NC , CHJJP85/NC  
CHJPPF96/NC , CHJJP95/NC



### Standards applied

Design : IEC 60092-350、376  
 Conductor : IEC 60228  
 Insulation & sheath : IEC 60092-360  
 Flame Retardant : IEC 60332-1  
 Flame Retardant : IEC 60332-3-22  
 Halogen content : IEC60754  
 Smoke emission : IEC 61034  
 Fluorine content : IEC60684-2  
 Max.rated conductor temperature: 90°C

### Application

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.

### Construction

Components	Code	Material/description
Series code	CH	Shipboard Instrumentation cable
Conductor		Stranded tinned annealed copper, IEC 60228 Class 2
Fire Resistance		Mica/glass tape
Insulation	J	XLPE, IEC 60092-360
Individual screen	P	AL/PS tape with tinned copper drain wire Each pair/triad is wrapped with polyester tape to prevent electrical contact with adjacent pairs/triads
Cabling		Flame retardant & non-hygroscopic fillers may be used Suitable tape(s) may be applied on the cabled core
Inner sheath	PF	Halogen-free flame retardant thermoplastic compound (SHF1)
	PJ	Halogen-free flame retardant thermoset compound (SHF2)
Armor	8	Tinned copper wire braid (TCWB)
	9	Galvanized steel wire braided (GSWB)
Outer sheath	6	Halogen-free flame retardant thermoplastic compound (SHF1)
	5	Halogen-free flame retardant thermoset compound (SHF2)
Flammability	NC	LSHF Fire resistant



## CABLE TYPE: CHJPPF86/NC , CHJPP85/NC , CHJPP96/NC , CHJPP95/NC 150/250V

No. of cores	Conductor			Thickness of Insulation	Thickness of inner sheath	Nominal dia. inner sheath	Dia. of wire for armour	Thickness of outer sheath	Overall diameter		Approx. weight
	Nominal Area	Number of wires	Nom. Dia.						Nominal	Tol.	
No.	mm <sup>2</sup>	ea.	mm	mm	mm	mm	mm	mm	mm	±mm	kg/km
2x2	0.75	7	1.1	0.5	1.3	15.6	0.3	1.0	19.1	1.0	450
3x2	0.75	7	1.1	0.5	1.4	16.8	0.3	1.1	20.5	1.0	520
4x2	0.75	7	1.1	0.5	1.4	18.4	0.3	1.1	22.1	1.1	600
5x2	0.75	7	1.1	0.5	1.5	20.3	0.3	1.1	24.0	1.2	640
7x2	0.75	7	1.1	0.5	1.6	22.4	0.3	1.2	26.3	1.3	790
8x2	0.75	7	1.1	0.5	1.7	25.5	0.3	1.3	29.6	1.5	930
10x2	0.75	7	1.1	0.5	1.8	29.1	0.3	1.4	33.4	1.7	1120
12x2	0.75	7	1.1	0.5	1.9	30.3	0.4	1.4	35.0	1.8	1320
14x2	0.75	7	1.1	0.5	1.9	31.9	0.4	1.4	36.6	1.8	1440
16x2	0.75	7	1.1	0.5	2.0	33.9	0.4	1.5	38.8	1.9	1610
19x2	0.75	7	1.1	0.5	2.1	36.3	0.4	1.6	41.4	2.1	1850
24x2	0.75	7	1.1	0.5	2.3	42.9	0.4	1.7	48.2	2.4	2310
30x2	0.75	7	1.1	0.5	2.4	45.6	0.4	1.8	51.1	2.6	2680
33x2	0.75	7	1.1	0.5	2.5	47.6	0.4	1.8	53.1	2.7	2880
37x2	0.75	7	1.1	0.5	2.6	49.7	0.4	1.9	55.4	2.8	3160
2x2	1	7	1.3	0.5	1.4	16.8	0.3	1.1	20.5	1.0	520
3x2	1	7	1.3	0.5	1.4	17.9	0.3	1.1	21.6	1.1	580
4x2	1	7	1.3	0.5	1.5	19.9	0.3	1.1	23.6	1.2	690
5x2	1	7	1.3	0.5	1.5	21.8	0.3	1.2	25.7	1.3	730
7x2	1	7	1.3	0.5	1.6	24.1	0.3	1.2	28.0	1.4	890
8x2	1	7	1.3	0.5	1.7	27.3	0.3	1.3	31.4	1.6	1040
10x2	1	7	1.3	0.5	1.9	31.5	0.4	1.4	36.2	1.8	1360
12x2	1	7	1.3	0.5	1.9	32.5	0.4	1.5	37.4	1.9	1510
14x2	1	7	1.3	0.5	2.0	34.4	0.4	1.5	39.3	2.0	1670
16x2	1	7	1.3	0.5	2.1	36.9	0.4	1.6	42.0	2.1	1900
19x2	1	7	1.3	0.5	2.2	39.1	0.4	1.6	44.2	2.1	2130
24x2	1	7	1.3	0.5	2.4	46.3	0.4	1.8	51.8	2.6	2690
30x2	1	7	1.3	0.5	2.6	49.5	0.4	1.9	55.2	2.8	3160
33x2	1	7	1.3	0.5	2.6	51.5	0.4	1.9	57.2	2.9	3370
37x2	1	7	1.3	0.5	2.7	53.7	0.4	2.0	59.6	3.0	3690
2x2	1.5	7	1.6	0.6	1.4	17.9	0.3	1.1	21.6	1.1	580
3x2	1.5	7	1.6	0.6	1.4	19.1	0.3	1.1	22.8	1.1	650
4x2	1.5	7	1.6	0.6	1.5	21.2	0.3	1.2	25.1	1.3	780
5x2	1.5	7	1.6	0.6	1.6	23.4	0.3	1.2	27.3	1.4	840
7x2	1.5	7	1.6	0.6	1.7	25.9	0.3	1.3	30.0	1.5	1040
8x2	1.5	7	1.6	0.6	1.8	29.4	0.3	1.4	33.7	1.7	1220
10x2	1.5	7	1.6	0.6	2.0	33.8	0.4	1.5	38.7	1.9	1580
12x2	1.5	7	1.6	0.6	2.0	35.1	0.4	1.5	40.0	2.0	1730
14x2	1.5	7	1.6	0.6	2.1	37.3	0.4	1.6	42.4	2.1	1970
16x2	1.5	7	1.6	0.6	2.2	39.6	0.4	1.6	44.7	2.2	2180
19x2	1.5	7	1.6	0.6	2.3	42.0	0.4	1.7	47.3	2.4	2480
24x2	1.5	7	1.6	0.6	2.6	49.9	0.4	1.9	55.6	2.8	3160
30x2	1.5	7	1.6	0.6	2.7	53.2	0.4	2.0	59.1	3.0	3680
33x2	1.5	7	1.6	0.6	2.8	55.5	0.4	2.0	61.4	3.0	3970
37x2	1.5	7	1.6	0.6	2.9	57.9	0.4	2.1	64.2	3.0	4390
2x2	2.5	7	2.0	0.6	1.5	19.9	0.3	1.1	23.6	1.2	690
3x2	2.5	7	2.0	0.6	1.5	21.2	0.3	1.2	25.1	1.3	800
4x2	2.5	7	2.0	0.6	1.6	23.5	0.3	1.2	27.4	1.4	960
5x2	2.5	7	2.0	0.6	1.7	26.1	0.3	1.3	30.2	1.5	1050
7x2	2.5	7	2.0	0.6	1.8	28.8	0.3	1.4	33.1	1.7	1310
8x2	2.5	7	2.0	0.6	1.9	32.6	0.4	1.5	37.5	1.9	1610
10x2	2.5	7	2.0	0.6	2.1	37.9	0.4	1.6	43.0	2.2	2000
12x2	2.5	7	2.0	0.6	2.2	39.4	0.4	1.6	44.5	2.2	2230
14x2	2.5	7	2.0	0.6	2.3	41.6	0.4	1.7	46.9	2.3	2510
16x2	2.5	7	2.0	0.6	2.4	44.2	0.4	1.7	49.5	2.5	2780
19x2	2.5	7	2.0	0.6	2.5	46.8	0.4	1.8	52.3	2.6	3170
24x2	2.5	7	2.0	0.6	2.8	55.7	0.4	2.0	61.6	3.0	4030
30x2	2.5	7	2.0	0.6	2.9	59.3	0.4	2.1	65.6	3.0	4760
33x2	2.5	7	2.0	0.6	3.0	61.9	0.4	2.2	68.4	3.0	5180
37x2	2.5	7	2.0	0.6	3.1	64.5	0.4	2.3	71.2	3.0	5690



## CABLE TYPE: CHJFPF86/NC , CHJJP85/NC , CHJFPF96/NC , CHJJP95/NC 150/250V

No. of cores	Conductor			Thickness of Insulation	Thickness of inner sheath	Nominal dia. inner sheath	Dia. of wire for armour	Thickness of outer sheath	Overall diameter		Approx. weight
	Nominal Area	Number of wires	Nom. Dia.						Nominal	Tol.	
No.	mm <sup>2</sup>	ea.	mm	mm	mm	mm	mm	mm	mm	±mm	kg/km
2X3	0.75	7	1.1	0.5	1.4	17.5	0.3	1.1	21.2	1.1	550
3X3	0.75	7	1.1	0.5	1.4	18.6	0.3	1.1	22.3	1.1	610
4X3	0.75	7	1.1	0.5	1.5	20.6	0.3	1.1	24.3	1.2	730
5X3	0.75	7	1.1	0.5	1.6	22.8	0.3	1.2	26.7	1.3	800
7X3	0.75	7	1.1	0.5	1.7	25.2	0.3	1.3	29.3	1.5	990
8X3	0.75	7	1.1	0.5	1.8	28.6	0.3	1.3	32.7	1.6	1140
10X3	0.75	7	1.1	0.5	1.9	32.7	0.4	1.5	37.6	1.9	1480
12X3	0.75	7	1.1	0.5	2.0	34.0	0.4	1.5	38.9	1.9	1640
14X3	0.75	7	1.1	0.5	2.1	36.3	0.4	1.6	41.4	2.1	1870
16X3	0.75	7	1.1	0.5	2.2	38.6	0.4	1.6	43.7	2.2	2070
19X3	0.75	7	1.1	0.5	2.2	40.7	0.4	1.7	46.0	2.3	2320
24X3	0.75	7	1.1	0.5	2.5	48.4	0.4	1.9	54.1	2.7	2960
30X3	0.75	7	1.1	0.5	2.6	51.6	0.4	1.9	57.3	2.9	3420
33X3	0.75	7	1.1	0.5	2.7	53.8	0.4	2.0	59.7	3.0	3720
37X3	0.75	7	1.1	0.5	2.8	56.1	0.4	2.0	62.0	3.0	4040
2X3	1	7	1.3	0.5	1.4	18.7	0.3	1.1	22.4	1.1	610
3X3	1	7	1.3	0.5	1.5	20.1	0.3	1.1	23.8	1.2	700
4X3	1	7	1.3	0.5	1.6	22.3	0.3	1.2	26.2	1.3	850
5X3	1	7	1.3	0.5	1.6	24.6	0.3	1.2	28.5	1.4	910
7X3	1	7	1.3	0.5	1.7	27.1	0.3	1.3	31.2	1.6	1130
8X3	1	7	1.3	0.5	1.9	30.9	0.4	1.4	35.6	1.8	1410
10X3	1	7	1.3	0.5	2.0	35.4	0.4	1.5	40.3	2.0	1710
12X3	1	7	1.3	0.5	2.1	37.1	0.4	1.6	42.2	2.1	1950
14X3	1	7	1.3	0.5	2.2	39.2	0.4	1.6	44.3	2.2	2170
16X3	1	7	1.3	0.5	2.3	41.6	0.4	1.7	46.9	2.3	2420
19X3	1	7	1.3	0.5	2.4	44.1	0.4	1.7	49.4	2.5	2730
24X3	1	7	1.3	0.5	2.7	52.5	0.4	2.0	58.4	2.9	3500
30X3	1	7	1.3	0.5	2.8	55.9	0.4	2.0	61.8	3.0	4060
33X3	1	7	1.3	0.5	2.9	58.3	0.4	2.1	64.6	3.0	4440
37X3	1	7	1.3	0.5	3.0	60.8	0.4	2.2	67.3	3.0	4880
2X3	1.5	7	1.6	0.6	1.5	20.1	0.3	1.1	23.8	1.2	690
3X3	1.5	7	1.6	0.6	1.5	21.4	0.3	1.2	25.3	1.3	800
4X3	1.5	7	1.6	0.6	1.6	23.9	0.3	1.2	27.8	1.4	970
5X3	1.5	7	1.6	0.6	1.7	26.4	0.3	1.3	30.5	1.5	1060
7X3	1.5	7	1.6	0.6	1.8	29.1	0.3	1.4	33.4	1.7	1330
8X3	1.5	7	1.6	0.6	2.0	33.2	0.4	1.5	38.1	1.9	1650
10X3	1.5	7	1.6	0.6	2.1	38.3	0.4	1.6	43.4	2.2	2020
12X3	1.5	7	1.6	0.6	2.2	39.8	0.4	1.6	44.9	2.2	2250
14X3	1.5	7	1.6	0.6	2.3	42.1	0.4	1.7	47.4	2.4	2540
16X3	1.5	7	1.6	0.6	2.4	44.7	0.4	1.8	50.2	2.5	2840
19X3	1.5	7	1.6	0.6	2.5	47.4	0.4	1.8	52.9	2.6	3210
24X3	1.5	7	1.6	0.6	2.8	56.4	0.4	2.1	62.7	3.0	4140
30X3	1.5	7	1.6	0.6	3.0	60.2	0.4	2.1	66.5	3.0	4850
33X3	1.5	7	1.6	0.6	3.0	62.6	0.4	2.2	69.1	3.0	5240
37X3	1.5	7	1.6	0.6	3.1	65.3	0.4	2.3	72.0	3.0	5750
2X3	2.5	7	2.0	0.6	1.6	22.3	0.3	1.2	26.2	1.3	860
3X3	2.5	7	2.0	0.6	1.6	23.9	0.3	1.2	27.8	1.4	1000
4X3	2.5	7	2.0	0.6	1.7	26.5	0.3	1.3	30.6	1.5	1220
5X3	2.5	7	2.0	0.6	1.8	29.3	0.3	1.4	33.6	1.7	1340
7X3	2.5	7	2.0	0.6	1.9	32.3	0.4	1.5	37.2	1.9	1780
8X3	2.5	7	2.0	0.6	2.1	37.2	0.4	1.6	42.3	2.1	2110
10X3	2.5	7	2.0	0.6	2.3	42.7	0.4	1.7	48.0	2.4	2580
12X3	2.5	7	2.0	0.6	2.4	44.4	0.4	1.8	49.9	2.5	2930
14X3	2.5	7	2.0	0.6	2.5	47.0	0.4	1.8	52.5	2.6	3280
16X3	2.5	7	2.0	0.6	2.6	49.9	0.4	1.9	55.6	2.8	3670
19X3	2.5	7	2.0	0.6	2.7	52.9	0.4	2.0	58.8	2.9	4200
24X3	2.5	7	2.0	0.6	3.1	63.1	0.4	2.2	69.6	3.0	5400
30X3	2.5	7	2.0	0.6	3.2	67.1	0.4	2.3	73.8	3.0	6360
33X3	2.5	7	2.0	0.6	3.3	70.0	0.4	2.4	76.9	3.0	6910
37X3	2.5	7	2.0	0.6	3.4	73.0	0.4	2.5	80.1	3.0	7600