

# CBPJP86/SC CBPJP85/SC

Shielded Marine VFD (EMC) Cable

0.6/1kV 1.8/3kV



## Construction

Structure	Code	Construction Detail
1.Conductor	CBP	stranded tinned copper wire as per IEC 60228,class 5
2.Insulation	J	XLPE plastic, IEC 60092-360
3.Cabling		cabling with optional fillers or earth cores
4.Covering		polyester tape
5.Screen/Shield	P	Laminated electrostatic copper bonded tape
6.Armour	8	tinned copper wire braided (TCWB)
7.Sheath	6	thermoplastic polyolefine, SHF1 as per IEC 60092-360
	5	thermosetting polyolefine, SHF2 as per IEC 60092-360
8.Core Identification		1C: not specified 3C: white, red, blue 3C+3E: white, red, blue + 3 yellow/green Earth core is green/yellow color
9.Combustion Property	SC	Flame Retardant, Halogen Free and Low Smoke

## Application

For application in variable frequency AC motor drive (VFD, EMC).

## Main Characteristics

Rating Voltage	0.6/1kV, 1.8/3kV
Flame Retardant	IEC 60332-1 & IEC 60332-3-22,Cat.A
Halogen Free	IEC 60754 series
Smoke Emission	IEC 61034 series
Oil resistance(Only SHF2)	IEC 60811-404 conditions according to IEC 60092-360/SHF2
Temperature Rating	Max. conductor operating temperature +90°C
	Min. ambient temperature for fixed installtion -40°C
	Min. recommended installation temperature -15°C

## Sheath Printing

Honest Cable Type (VFD) Size Voltage IEC 60332-3-22 Meter Mark Year

### 0.6/1kV CBPJP86/SC CBPJP85/SC

Core No.*Size (mm <sup>2</sup> )	Outer Diameter (mm)	Gross Weight (kgs/km)	Core No.*Size (mm <sup>2</sup> )	Outer Diameter (mm)	Gross Weight (kgs/km)	Core No.*Size (mm <sup>2</sup> )	Outer Diameter (mm)	Gross Weight (kgs/km)
1×4	7.3±1.0	203	3×4	12.2±1.0	228	3×4+3×1	12.6±1.0	416
1×6	8.6±1.0	256	3×6	15.5±1.0	326	3×6+3×1	15.7±1.0	521
1×10	9.8±1.0	363	3×10	18.3±1.0	459	3×10+3×1.5	18.5±1.0	734
1×16	11.0±1.0	447	3×16	20.6±1.5	648	3×16+3×2.5	20.8±1.5	1035
1×25	13.1±1.0	582	3×25	25.6±1.5	957	3×25+3×4	25.8±1.5	1530
1×35	14.7±1.0	713	3×35	28.8±1.5	1239	3×35+3×6	29.0±1.5	1980
1×50	17.4±1.0	943	3×50	33.7±1.5	1681	3×50+3×10	33.9±1.5	2687
1×70	19.2±1.0	1208	3×70	37.4±1.5	2305	3×70+3×10	37.6±1.5	3286
1×95	21.2±1.5	1521	3×95	42.1±2.0	3103	3×95+3×16	42.3±2.0	4608
1×120	23.5±1.5	1865	3×120	47.0±2.0	3800	3×120+3×25	47.2±2.0	5573
1×150	25.8±1.5	2249	3×150	52.0±2.0	4562	3×150+3×25	52.2±2.0	6501
1×185	27.9±1.5	2706	3×185	56.3±2.0	5802	3×185+3×35	56.5±2.0	8506
1×240	31.2±1.5	3391	3×240	63.6±2.5	6345	3×240+3×35	63.8±2.5	9501

※ Other core \* size VFD(EMC) cable is also available on request.

### 1.8/3kV CBPJP86/SC CBPJP85/SC

Core No.*Size (mm <sup>2</sup> )	Outer Diameter (mm)	Gross Weight (kgs/km)	Core No.*Size (mm <sup>2</sup> )	Outer Diameter (mm)	Gross Weight (kgs/km)	Core No.*Size (mm <sup>2</sup> )	Outer Diameter (mm)	Gross Weight (kgs/km)
1×10	12.6±1.0	415	3×10	24.5±1.5	521	3×10+3×1.5	24.7±1.5	823
1×16	13.8±1.0	508	3×16	26.6±1.5	729	3×16+3×2.5	26.8±1.5	1155
1×25	15.9±1.0	656	3×25	30.7±1.5	1069	3×25+3×4	30.9±1.5	1699
1×35	17.5±1.0	800	3×35	33.9±1.5	1379	3×35+3×6	34.1±1.5	2194
1×50	19.6±1.0	1053	3×50	38.4±1.5	1865	3×50+3×10	38.6±1.5	2972
1×70	21.0±1.5	1345	3×70	41.7±2.0	2552	3×70+3×10	41.9±2.0	3631
1×95	23.2±1.5	1689	3×95	46.4±2.0	3429	3×95+3×16	46.6±2.0	5085
1×120	25.3±1.5	2057	3×120	50.7±2.0	4196	3×120+3×25	50.9±2.0	6146
1×150	27.2±1.5	2490	3×150	54.8±2.0	5034	3×150+3×25	55.0±2.0	7167
1×185	28.7±1.5	2993	3×185	58.2±2.0	6398	3×185+3×35	58.4±2.0	9373
1×240	31.8±1.5	3746	3×240	65.1±2.5	6996	3×240+3×35	65.3±2.5	10467

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