



Chongqing Hi-Sea Marine Equipment Import & Export Co.,Ltd.

重庆海盛船舶设备进出口有限公司

Add:F20-5,General Chamber of Commerce Building,No.2 Hongjin Street,Yubei District,Chongqing  
Tel: +86-23-67898920 Fax: +86-23-67956622 e-mail: cable@hiseamarine.com

## VDE H05BN4-F Power cable

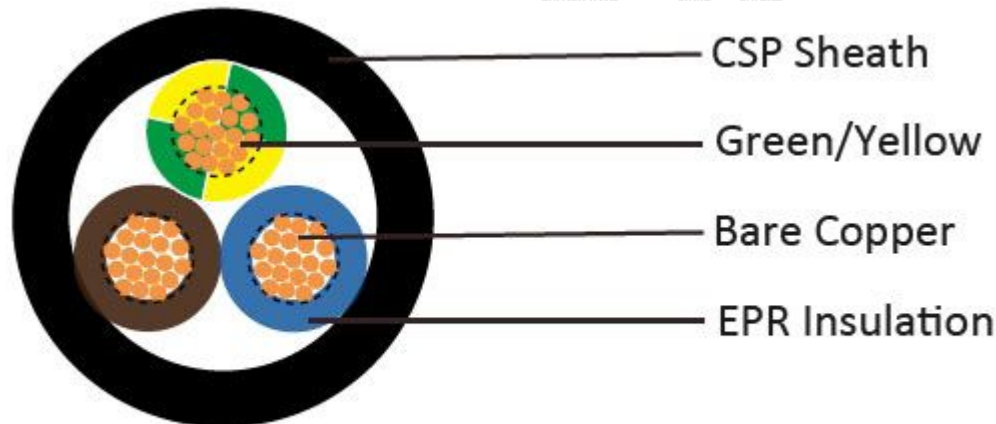
### VDE H05BN4-F Power cable Application

The EPR (ethylene propylene rubber) insulation and CSP (Hypalon) sheathed power cable can be used in dry, humid environment, immersed in oil or grease, and resistance to various climatic conditions and weak mechanical stress environment for example, in industrial plants, machine shop, hot plates, portable lamps, small appliances, etc. for the power supply, they are also suitable for caravans and camping equipment ..... in normal use, the maximum conductor temperature: 90 ° C. When high temperature, skin contact must be avoided.

### VDE H05BN4-F Power cable Standards and Certification

<HAR> CENELEC HD 22.12 S1, CEI 20-19/12, CEI 20-35 (EN 60332-1), BS6500, BS7919, ROHS certification, VDE 0282 Part 12, IEC 60245-4, CE Low Voltage Directive

### VDE H05BN4-F Power Cable structure



### H05BN4-F Construction

- Stranded bare copper conductor soft
- Follow VDE-0295 CI 5, IEC 60228 CI-5
- EPR (ethylene propylene rubber) EI7 insulation
- Color coded to VDE-0293-308
- CSP (CSM) outer sheath EM7



Chongqing Hi-Sea Marine Equipment Import & Export Co.,Ltd.

重庆海盛船舶设备进出口有限公司

Add:F20-5,General Chamber of Commerce Building,No.2 Hongjin Street,Yubei District,Chongqing

Tel: +86-23-67898920

Fax: +86-23-67956622

e-mail: cable@hiseamarine.com

#### VDE H05BN4-F Power Cable Technical characteristics

- Operating voltage: 300/500 V
- Test voltage: 2000 V
- Dynamic bending radius: 6.0 xΦ
- Fixed bending radius: 4.0 xΦ
- Operating temperature range: -20 °C to +90 °C
- Short circuit maximum temperature: +250 °C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

#### VDE H05BN4-F Power Cable Specification

| Gauge               | Core<br>Conductor<br>Area | Nominal<br>Insulation<br>Thickness | Nominal<br>Sheath<br>Thickness | Nominal<br>O.D | Nominal<br>Copper<br>Weight | Nominal<br>Cable Weight |
|---------------------|---------------------------|------------------------------------|--------------------------------|----------------|-----------------------------|-------------------------|
| # x mm <sup>2</sup> | mm                        | mm                                 | mm                             | kg/Km          | kg/km                       |                         |
| 18(24/32)           | 2 x 0.75                  | 0.6                                | 0.8                            | 6.1            | 29                          | 54                      |
| 18(24/32)           | 3 x 0.75                  | 0.6                                | 0.9                            | 6.7            | 43                          | 68                      |
| 18(24/32)           | 4 x 0.75                  | 0.6                                | 0.9                            | 7.3            | 58                          | 82                      |
| 18(24/32)           | 5 x 0.75                  | 0.6                                | 1.0                            | 8.1            | 72                          | 108                     |
| 17(32/32)           | 2 x 1                     | 0.6                                | 0.9                            | 6.6            | 19                          | 65                      |
| 17(32/32)           | 3 x 1                     | 0.6                                | 0.9                            | 7.0            | 29                          | 78                      |
| 17(32/32)           | 4 x 1                     | 0.6                                | 0.9                            | 7.6            | 38                          | 95                      |
| 17(32/32)           | 5 x 1                     | 0.6                                | 1.0                            | 8.5            | 51                          | 125                     |