



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

重庆海盛船舶设备进出口有限公司

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VDE H05RN-F/H05RNH2-F Power Cable

VDE H05RN-F/H05RNH2-F Power Cable Application

These flexible cables are mainly used in electrical equipment with low mechanical stress in use, for dry, wet indoor or outdoor environments. Commonly used in any place home, such as electrical connection between the low mechanical tension offices low mechanical injury. Also suitable for fixed installation in furniture, decorative materials, wall partitions and building facilities reserved. In the single-phase or three-phase system maximum working voltage of U_0 / U 318/550 V, maximum working voltage DC systems, this cable is resistant to ozone, grease.

VDE H05RN-F/H05RNH2-F Power Cable Standards and Certification

<HAR> HD22.4 S3, VDE-0282 Part 4, CEI 20-19 p.4, CE Low Voltage Directive 73/23/EEC & 93/68/EEC, IEC 60245-4, ROHS certification

VDE H05RN-F/H05RNH2-F Power Cable structure

- Stranded bare copper conductor soft
- Follow VDE-0295 CI 5, IEC 60228 CI-5
- Rubber insulated EI4 to VDE-0282 Part 1
- Color coded to VDE-0293-308
- Yellow-green ground wire (three conductors and above)
- Neoprene jacket EM2

VDE H05RN-F/H05RNH2-F Power Cable Technical characteristics

- Operating voltage VDE: 300/500 V
- Operating voltage UL / CSA: 2000 V
- Test voltage: 2000 V
- Dynamic bending radius: $7.5 \times \Phi$
- Static bending radius: $4 \times \Phi$
- Operating temperature range: $-30 \text{ }^\circ\text{C}$ to $+60 \text{ }^\circ\text{C}$
- Short circuit temperature: $+200 \text{ }^\circ\text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance: $20 \text{ M}\Omega \times \text{km}$



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VDE H05RN-F/H05RNH2-F Power Cable Specification

| Gauge | Core Conductor Area # mm ² | Nominal Insulation Thickness mm | Nominal Sheath Thickness mm | Nominal O.D (Min-Max) mm | Nominal Copper weight kg/km | Nominal Cable weight kg/km |
|-----------|--|--|--------------------------------------|-----------------------------------|--------------------------------------|-------------------------------------|
| H05RN-F | | | | | | |
| 18(24/32) | 2 x 0.75 | 0.6 | 0.8 | 5.7 - 7.4 | 14.4 | 80 |
| 18(24/32) | 3 x 0.75 | 0.6 | 0.9 | 6.2 - 8.1 | 21.6 | 95 |
| 18(24/32) | 4 x 0.75 | 0.6 | 0.9 | 6.8 - 8.8 | 30 | 105 |
| 17(32/32) | 2 x 1 | 0.6 | 0.9 | 6.1 - 8.0 | 19 | 95 |
| 17(32/32) | 3 x 1 | 0.6 | 0.9 | 6.5 - 8.5 | 29 | 115 |
| 17(32/32) | 4 x 1 | 0.6 | 0.9 | 7.1 - 9.2 | 38 | 142 |
| 16(30/30) | 3 x 1.5 | 0.8 | 1.0 | 8.6 - 11.0 | 29 | 105 |
| 16(30/30) | 4 x 1.5 | 0.8 | 1.1 | 9.5 - 12.2 | 39 | 129 |
| 16(30/30) | 5 x 1.5 | 0.8 | 1.1 | 10.5 - 13.5 | 48 | 153 |
| H05RNH2-F | | | | | | |
| 16(30/30) | 2 x 1.5 | 0.6 | 0.8 | 5.25±0.15x13.50±0.30 | 14.4 | 80 |
| 14(50/30) | 2 x 2.5 | 0.6 | 0.9 | 5.25±0.15x13.50±0.30 | 21.6 | 95 |