



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 H03VV-F/ H03VVH2-F Power Cable

VDE H03VV-F/ H03VVH2-F Power Cable Application

These cables are mainly applicable to the use of small appliances and light household appliances, such as connecting kitchen appliances, lamps, floor lamps, vacuum cleaners, office equipment, radios, etc., as related to the scope of these cables are suitable devices, they are not permitted for cooking or heating equipment. Less than 0.75 mm² cable cross-section is not suitable for outdoor use and industrial or agricultural machinery applications. In the single-phase or three-phase system maximum working voltage U_0 / U 330/330 V, the DC system, the maximum operating voltage is U_0 / U 495/495V.

VDE H03VV-F/ H03VVH2-F Power Cable Standards and Certification

<HAR> BS6500, CENELEC HD21.5, VDE 0281, CEI 20-20/5, CEI 20-35 (EN60332-1), CEI 20-52, CE Low Voltage Directive 73/23/EEC & 93/68/EEC. ROHS certification

VDE H03VV-F/ H03VVH2-F Power Cable structure

- Soft bare copper conductor
- Follow the DIN VDE 0295 cl 5, BS 6360 cl 5, IEC 60228 cl 5 and HD 383 standards..
- PVC insulation T12 class, follow the first part of VDE-0281
- Color coded to VDE-0293-308
- Yellow-green ground wire (three conductors and above)
- PVC outer sheath TM2

VDE H03VV-F/ H03VVH2-F Power Cable Technical characteristics

- Operating voltage: 300/300 V
- Test voltage: 2000 V
- Dynamic bending radius: 7.5 x Φ
- Static bending radius: 4 x Φ
- The application when the operating temperature: -5 °C to +70 °C
- Static can withstand temperature: -40 °C to +70 °C
- Short circuit temperature: +160 °C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 M Ω x km



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VDE H03VV-F/ H03VVH2-F Power Cable Specification

Model	Core Area	Nominal Insulation Thickness	Nominal Sheath Thickness	Nominal O.D	Nominal Copper weight	Nominal Cable weight
# x mm ²	mm	mm	mm	kg/km	kg/km	
H03VV-F						
20(16/32)	2 x 0.50	0.5	0.6	5	9.6	38
20(16/32)	3 x 0.50	0.5	0.6	5.4	14.4	45
20(16/32)	4 x 0.50	0.5	0.6	5.8	19.2	55
18(24/32)	2 x 0.75	0.5	0.6	5.5	14.4	46
18(24/32)	3 x 0.75	0.5	0.6	6	21.6	59
18(24/32)	4 x 0.75	0.5	0.6	6.5	28.8	72
18(24/32)	5 x 0.75	0.5	0.6	7.1	36.0	87
H03VVH2-F						
20(16/32)	2 x 0.50	0.5	0.6	3.2 x 5.2	9.7	32
18(24/32)	2 x 0.75	0.5	0.6	3.4 x 5.6	14.4	35

VDE H03VV-F/ H03VVH2-F Power Cable Show

