

H05VV-F 500 Volt

<HAR>



H05VV-F is a harmonized, light-duty, oil-resistant, flexible, PVC multi-conductor 500-volt European cord. Recommended for use in connecting electrical appliances under medium mechanical stress environments as in offices, kitchens and households. **H05VV-F** can commonly be found in connections in damp and wet areas as in refrigerators, washing machines and spin-dryers. These cables are suitable to be used in cooking and heating apparatus if there is no actual direct contact with the hot parts or other heat influences. These cables are also suitable for fixed applications in furniture, wall partitions, decoration coverings and in hollow spaces of prefabricated building parts. Available in black, white or gray jacket. Max operating voltage in single or three phase system is Uo/U 318/550 volts. In a direct current system max operating voltage is Uo/U 413/825 volts. Outdoor installation is not permitted.



Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- PVC core insulation to VDE-0281 Part 1
- Color code VDE-0293-308
- PVC outer jacket - Black (RAL 9005), White (RAL 9003) or Gray (RAL 7001)
- **Oil resistant**

Technical:

- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 4 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -40° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Approvals:

- <HAR> HD21.5 S3
- VDE-0281 Part-5
- CE low voltage directive 73/23/EEC & 93/68/EEC.
- IEC 60227-5
- ROHS compliant

| PART NUMBER | CORES | NOMINAL OD | CU LBS/MFT | WT LBS/MFT |
|--|-------|-----------------|------------|------------|
| 18 AWG (24/32) 0,75mm² | | | | |
| 4001802* | 2 | 0.252" / 6.4mm | 10 | 34 |
| 4001803* | 3 | 0.268" / 6.8mm | 15 | 40 |
| 4001804* | 4 | 0.291" / 7.4mm | 19 | 49 |
| 4001805* | 5 | 0.335" / 8.5mm | 24 | 65 |
| 17 AWG (32/32) 1,00mm² | | | | |
| 4001702* | 2 | 0.268" / 6.8mm | 13 | 42 |
| 4001703* | 3 | 0.283" / 7.2mm | 19 | 50 |
| 4001704* | 4 | 0.315" / 8.0mm | 25 | 62 |
| 4001705* | 5 | 0.346" / 8.8mm | 32 | 76 |
| 16 AWG (30/30) 1,50mm² | | | | |
| 4001602* | 2 | 0.299" / 7.6mm | 19 | 57 |
| 4001603* | 3 | 0.323" / 8.2mm | 29 | 71 |
| 4001604* | 4 | 0.362" / 9.2mm | 39 | 90 |
| 4001605* | 5 | 0.413" / 10.5mm | 48 | 112 |
| 14 AWG (50/30) 2,50mm² | | | | |
| 4001402* | 2 | 0.366" / 9.3mm | 32 | 85 |
| 4001403* | 3 | 0.398" / 10.1mm | 48 | 106 |
| 4001404* | 4 | 0.441" / 11.2mm | 64 | 132 |
| 4001405* | 5 | 0.488" / 12.4mm | 80 | 163 |

* Available in white jacket (401) and gray jacket (402)

** For larger than #14 AWG (2,50mm²) see H07RN-F (410)