

H05VV-F

HAR, PVC, Light-Duty, 500V



H05VV-F is a harmonized, light duty, oil-resistant, flexible, PVC multi-conductor 500-volt European cord. Recommended for use in connecting small electrical appliances under medium mechanical stress environments as in offices, kitchens and households. It 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 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 Cl-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:

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

Approvals:

- <HAR> HD21.5 S3
- VDE-0281 Part-5
- DIN EN 50525-2-11
- CE Low Voltage Directive 2014/35/EU
- IEC 60227-5
- RoHS compliant

PART NUMBER		CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
18 AWG (24/32) 0,75mm²						
4001802	*	2	0.240"	6.1mm	10	35
4001803	*	3	0.256"	6.5mm	14	42
4001804	*	4	0.280"	7.1mm	19	50
4001805	*	5	0.311"	7.9mm	24	64
17 AWG (32/32) 1,00mm²						
4001702	*	2	0.256"	6.5mm	13	41
4001703	*	3	0.272"	6.9mm	19	49
4001704	*	4	0.303"	7.7mm	25	62
4001705	*	5	0.331"	8.4mm	32	75
16 AWG (30/30) 1,50mm²						
4001602	*	2	0.291"	7.4mm	19	54
4001603	*	3	0.315"	8.0mm	29	68
4001604	*	4	0.354"	9.0mm	39	86
4001605	*	5	0.394"	10.0mm	48	108
14 AWG (50/30) 2,50mm²						
4001402	*	2	0.358"	9.1mm	32	84
4001403	*	3	0.390"	9.9mm	48	105
4001404	*	4	0.425"	10.8mm	64	130
4001405	*	5	0.472"	12.0mm	80	160
12 AWG (56/28) 4,00mm²						
4001202	*	2	0.409"	10.4mm	52	118
4001203	*	3	0.445"	11.3mm	77	148
4001204	*	4	0.488"	12.4mm	103	186
4001205	*	5	0.547"	13.9mm	129	233

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

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

