

H05V-U / H07V-U

<HAR>



H05V-U / H07V-U are harmonized PVC European flexible single-conductor hook-up wires with a solid bare copper core. Ideal for the internal wiring of appliances, apparatus, switchboards and distributor boards or where a solid core is required. Suitable in dry rooms for fixed and flexible laying. May be used for exposed and embedded conduits. Found in electronic and electrical equipment and switchgear cabinets designed for export to a European country and for MRO replacement of European made equipment wire.



Construction:

- Solid bare copper single wire
- Solid to VDE-0295 Class-1, IEC 60228 Cl-1
- Special PVC core insulation
- Cores to VDE-0293 colors on chart
- H05V-U (20, 18 & 17 AWG)
- H07V-U (16 AWG and Larger)

Technical:

- Working voltage: 300/500v (H05V-U)
- Working voltage: 450/750v (H07V-U)
- Test voltage: 4000 volts
- Flexing bending radius: 15 x Ø
- Static bending radius: 15 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -30° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 10 MΩ x km

Approvals:

- <HAR> HD 21.3 S3
- VDE-0281 Part-3
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
20 AWG (Solid) 0,50mm ² 30220**	1	.090" / 2.3mm	3	5
18 AWG (Solid) 0,75mm ² 30218**	1	.098" / 2.5mm	5	7
17 AWG (Solid) 1,00mm ² 30217**	1	.106" / 2.7mm	7	9
16 AWG (Solid) 1,50mm ² 30216**	1	.125" / 3.2mm	10	14
14 AWG (Solid) 2,50mm ² 30214**	1	.153" / 3.9mm	16	21
12 AWG (Solid) 4,0mm ² 30212**	1	.173" / 4.4mm	25	31
10 AWG (Solid) 6,0mm ² 30210**	1	.201" / 5.1mm	39	44
8 AWG (Solid) 10,0mm ² 30208**	1	.252" / 6.4mm	64	74

Color Code Chart

- 00 - Green/Yellow
- 01 - Black
- 02 - Blue (RAL5015)
- 03 - Brown
- 04 - Red
- 05 - White
- 06 - Gray
- 07 - Violet

Insert a 2-digit color code from the Color Code Chart for the ** found at the end of the proper part number.

i.e. - 3022002 - H05V-U, 20 AWG (0,50mm²) Blue, OR 3021003 - H07V-U, 10 AWG (6,0mm²) Brown

* Additional AWG sizes & colors are available.