

H05V-K & H07V-K Hook-Up Wire

300/500 V & 450/750 V PVC



Solutions

H05V-K & H07V-K Hook-Up Wire is suitable for applications that laid in pipes, exposed or buried in cement or installed in sealed pipes, it can also be used for wire harness installations in switchgear cabinet.

Key Features

- 0.5 mm² - 185 mm²
- Single conductor - stranded bare copper (DIN VDE 0295 Class 5, UL758)
- PVC insulation
- Black, Blue, Brown, Red, Green, White, Yellow, Yellow/Green

Applications

- Internal wiring of electrical appliances
- Internal wiring of electronics and electrical equipment
- Switches, PCB boards, wiring boards in production facilities
- Internal wiring of industrial machine tools and equipment
- Internal wiring of electric tools
- Internal wiring of medical equipment
- Installation wiring of sealed pipes
- Internal wiring of vending machines and ATM

Compliant with following International standards:

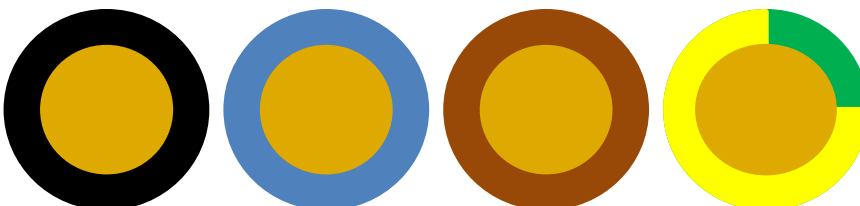
DIN VDE 0295, IEC 60228, BS 6360, UL1581

DIN EN 50290-2-22(TM54) , DIN VDE 0270-363-3

IEC 60227-3, EN 50525-2-31, HD 21.3, VDE 0281, UL 758

DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2

RoHS, CE & REACH



H05V-K Hook-Up Wire

300/500 V PVC

Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
Insulation Material	PVC (polyvinyl chloride)
Color	Black, Blue, Brown, Red, Green, White, Yellow, Yellow/Green
Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2, VW-1
Voltage Rating (U _o /U)	300/500 V
Oil Resistance	DIN EN 50290-2-22 (TM54)
Temperature Range	-20°C to 70°C(IEC/EN) -20°C to 105°C(UL) (occasional movement) -30°C to 80°C(IEC/EN) -30°C to 105°C(UL) (fixed installation)
Bending Radius	4 x OD (fixed installation) 8 x OD (occasional movement)
Other Properties	Good UV resistance, chemical resistance & flexibility
Availability	100 m, 300 m, Bulk

General Reference Standards

DIN VDE 0295, IEC 60228, BS6360, UL1581

DIN EN 50290-2-22 (TM54), DIN VDE 0207-363-3

IEC 60227-3, EN 50525-2-31, HD 21.3, VDE 0281, UL 758

DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2

RoHS, REACH & CE Directives

H05V-K					
Part No.	Size (mm ²)	Standard & Approval	Stranding Conductor (mm)	Nominal Diameter (mm)	Voltage Rating
3150	0.5	H05V-K & UL AWM 1569	20/0.177	2.10	300/500V & 300V(UL)
3175	0.75	H05V-K & UL AWM 1569	30/0.177	2.30	300/500V & 300V(UL)
3110	1	H05V-K & UL AWM 1569	30/0.20	2.46	300/500V & 300V(UL)

H07V-K Hook-Up Wire

450/750 V PVC

Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
Insulation Material	PVC (polyvinyl chloride).
Color	Black, Blue, Brown, Red, Green, White, Yellow, Yellow/Green
Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2, VW-1
Voltage Rating (U ₀ /U)	450/750 V
Oil Resistance	DIN EN 50290-2-22 (TM54)
Temperature Range	-20°C to 70°C(IEC/EN) -20°C to 105°C(UL) (occasional movement) -30°C to 80°C(IEC/EN) -30°C to 105°C(UL) (fixed installation)
Bending Radius	4 x OD (fixed installation) 8 x OD (occasional movement)
Other Properties	Good UV resistance, chemical resistance & flexibility
Availability	100 m, 300 m, Bulk

General Reference Standards

DIN VDE 0295, IEC 60228, BS6360, UL1581

DIN EN 50290-2-22 (TM54), DIN VDE 0207-363-3

IEC 60227-3, EN 50525-2-31, HD 21.3, VDE 0281, UL 758

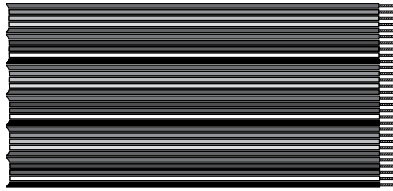
DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2

RoHS, REACH & CE Directives

H07V-K					
Part No.	Size (mm ²)	Standard & Approval	Stranding Conductor (mm)	Nominal Diameter (mm)	Voltage Rating
3111	1.5	H07V-K & UL AWM 10669	28/0.25	3.30	450/750V & 600V(UL)
3112	2.5	H07V-K & UL AWM 10669	47/0.25	3.70	450/750V & 600V(UL)
3113	4	H07V-K & UL AWM 10669	56/0.30	4.30	450/750V & 600V(UL)
3114	6	H07V-K & UL AWM 10669	84/0.30	4.90	450/750V & 600V(UL)
3115	10	H07V-K	80/0.39	6.20	450/750V
3116	16	H07V-K	126/0.40	7.50	450/750V
3117	25	H07V-K	196/0.40	9.10	450/750V
3118	35	H07V-K	260/0.40	10.10	450/750V
3119	50	H07V-K	371/0.40	12.30	450/750V
3120	70	H07V-K	330/0.50	14.20	450/750V
3121	95	H07V-K	427/0.50	17.00	450/750V
3122	120	H07V-K	551/0.50	18.90	450/750V
3123	150	H07V-K	684/0.50	21.00	450/750V
3124	185	H07V-K	19/49/0.50	24.70	450/750V

Hook-Up Wire

Ribbon Cable
150/600 V, PVC



**MIL-DTL-16878/1 (Type B)
(600 V)**
UL AWM 2713 (150 V) VW-1

Operating Temperature

- -20°C to 105°C (MIL)
- -20°C to 80°C (AWM)

Conductor Color Coding

- Brown, red, orange, yellow, green, blue, violet, slate, white, black . . . repeats

Materials

- Stranded tinned copper conductors
- Color-coded PVC insulation bonded into a flat configuration

Availability

100 ft (30.5 m)

26 AWG (0.14 mm²)

Stranding: 7/34 (7 x 0.16 mm)
Insulation thickness: 0.010 (0.25 mm)
Cable height: 0.039 (0.99 mm)

Part No.	Conductors	Width	
		Inch	mm
3550	10	0.392	9.96
3550/14	14	0.546	13.87
3551	15	0.585	14.68
3551/16	16	0.624	15.85

24 AWG (0.23 mm²)

Stranding: 7/32 (7 x 0.20 mm)
Insulation thickness: 0.010 (0.25 mm)
Cable height: 0.044 (1.12 mm)

Part No.	Conductors	Width	
		Inch	mm
3540/7	10	0.440	11.18
3541/7	15	0.660	16.76
3542/7	20	0.880	22.35

24 AWG (0.24 mm²)

Stranding: 19/36 (19 x 0.12 mm)
Insulation thickness: 0.010 (0.25 mm)
Cable height: 0.044 (1.12 mm)

Part No.	Conductors	Width	
		Inch	mm
3540	10	0.440	11.18
3541	15	0.660	16.76
3542	20	0.880	22.35
3543	30	1.320	33.53

22 AWG (0.35 mm²)

Stranding: 7/30 (7 x 0.25 mm)
Insulation thickness: 0.010 (0.25 mm)
Cable height: 0.050 (1.27 mm)

Part No.	Conductors	Width	
		Inch	mm
3530/7	10	0.500	12.70
3531/7	15	0.750	19.05
3532/7	20	1.000	25.40
3533/7	30	1.500	38.10

22 AWG (0.38 mm²)

Stranding: 19/34 (19 x 0.16 mm)
Insulation thickness: 0.010 (0.25 mm)
Cable height: 0.051 (1.29 mm)

Part No.	Conductors	Width	
		Inch	mm
3530	10	0.510	12.95
3531	15	0.765	19.43
3532	20	1.020	25.91
3533	30	1.530	38.86