



EUROPEAN HARMONIZED PVC LEAD WIRE

H05V-K 300/500V AND H07V-K 450/750V , UL/CSA 600V 105C FLEX STRANDING

CONSTRUCTION:

CONDUCTOR STRANDED SOFT DRAWN BARE COPPER. STRANDING IN ACCORDANCE WITH DIN VDE 0295 CLASS 5.

INSULATION POLYVINYLCHLORIDE (PVC).

Charlotte Wire Part#*	Approximate AWG Size	Size in mm ²	Number of Strands	HAR Voltage Rating**	HAR TYPE	Overall Diameter (in.)	Overall Diameter (mm)	Approx. Net Weight (Lbs/Mft.)
CW13610	20	.5mm ²	16	300/500V	H05V-K	.10"	2.5	6
CW13611	19	.75mm ²	24	300/500V	H05V-K	.11"	2.8	8
CW13612	18	1.0mm ²	32	300/500V	H05V-K	.12"	3.1	10
CW13613	16	1.5mm ²	30	450/750V	H07V-K	.14"	3.6	14
CW13614	14	2.5mm ²	50	450/750V	H07V-K	.16"	4.1	22
CW13615	12	4mm ²	56	450/750V	H07V-K	.18"	4.6	32
CW13616	10	6mm ²	84	450/750V	H07V-K	.20"	5.1	45
CW13617	8	10mm ²	80	450/750V	H07V-K	.27"	6.9	79
CW13618	6	16mm ²	128	450/750V	H07V-K	.34"	8.7	128
CW13619	4	25mm ²	200	450/750V	H07V-K	.40"	10.2	185
CW13620	2	35mm ²	280	450/750V	H07V-K	.46"	11.7	250
CW13621	1	50mm ²	400	450/750V	H07V-K	.56"	14.2	350
CW13622	2/0	70mm ²	356	450/750V	H07V-K	.63"	16.0	495
CW13623	3/0	95mm ²	485	450/750V	H07V-K	.72"	18.3	670
CW13624	4/0	120mm ²	614	450/750V	H07V-K	.80"	20.3	860
CW13625	300MCM	150mm ²	765	450/750V	H07V-K	.90"	22.9	1050
CW13626	350MCM	185mm ²	944	450/750V	H07V-K	.98"	24.9	1280
CW13627	500MCM	240mm ²	1225	450/750V	H07V-K	1.12"	28.5	1680

*To specify color, add abbreviation with a dash from Color Code Chart. (example 1.5mm² in red would be CW13613-RD)

**Voltage Rating values: First number is rating between conductor and ground. Second number is rating between phase conductors.

APPLICATION:

Suitable for electronic and electrical wiring. May be used in transformers, switchboard panels, controls, electronic circuits, motors, and power hook-up applications. Test voltage for H05V-K items (20-17awg) is 2000Volts. Test voltage for sizes 16awg and larger is 2500Volts.

STANDARDS:

HAR : H05V-K up to 70Deg C, H05V2-K up to 90Deg C
H07V-K up to 70Deg C, H07V2-K up to 90Deg C
UL AWM Style 1015 105Deg C 600V
UL Standard 1063: Type MTW 90Deg C 600V
CSA: Type TEW 105Deg C 600V
CE : Meets EU requirements.
RoHS compliant.

COLOR CODE CHART

COLOR	ABBREVIATION	COLOR	ABBREVIATION
Green/Yellow	GN/YL	Violet	VI
Black	BK	Pink	PK
Blue	BL	Orange	OR
Brown	BN	Transparent	CLR
Red	RD	Dark Blue	DKBL
White	WH	Yellow	YL
Gray	GY	Green	GN