

Application:

Harmonized cable is a medium duty flexible PVC insulated electrical cable commonly used in devices such as computers and office equipment, medical devices, heaters, cooking/baking/frying equipment, kitchen utensils, medical devices, and other medium duty electrical or electronic equipment designed for use.

Applicable Standards:

H05VV-F cables are designed and tested to according to BS EN 50525-2-11 standards. However, can also supply a range of alternative designs to meet customer-specified requirements.

Specification:

Conductor

Flexible annealed copper conductor class 5 according to BS EN 60228 and IEC 60228.

Insulation

Solid extruded PVC insulation with rating 70 °C at normal operation according to BS EN 50363-3 type TI1 and IEC 60227-1 type PVC/C.

Assembly

The insulated cores are uniformly twisted together to form the cable core.

Core colors

Standard core color will be as follow:

Two cores : Blue and Brown

Three cores : Yellow/Green, Blue and Brown

Four cores : Yellow/Green, Black, Blue and Brown

Sheath

Solid extruded PVC with temperature rating 70 °C at normal operation applied over the laid up assembled cores according to BS EN 50363-4- 1 type TM2.

Flame retardancy

H05VV-K cables have been tested and approved with the flame performance standards according to IEC 60332-1-2 and BS EN 60332-1.

Packing

Available in standard length of 100 Yard air coil (Other lengths are available upon request).

Marking

Flexible cables 3*1.5 mm² CU/PVC/PVC H05VV-K 300/500 V BS EN 50525-2-11



Multicores Flexible Copper Conductor PVC Insulated and PVC Sheathed (H05W-F) 300-500 V

Technical Data

Number of cores	size	Max. diameter	(ohm/km at 20 °C)	Insulation Thickness	PVC Jacket Thickness	Nominal Outer Diameter	Approx.Net Weight	Current Carry Capacity at 30C ambient temperature		Ordering Information
No.	(MM ²)	(MM)	(ohm/km at 20C °C)	(MM)	(MM)	(MM)	(Kg/km)	Ampere Single Phase(AC)	Ampere Three Phase(AC)	Item Code
2	0.5	0.21	39	0.6	0.8	5.86	48	3	3	H05VV-F 2*0.5
3					0.8	6.2	56	3	3	H05VV-F 3*0.5
4					0.8	6.75	69	3	3	H05VV-F 4*0.5
2	0.75	0.21	26	0.6	0.8	6.27	57	6	6	H05VV-F 2*0.75
3					0.8	6.65	69	6	6	H05VV-F 3*0.75
4					0.8	7.25	84	6	6	H05VV-F 4*0.75
2	1.0	0.21	19.5	0.6	0.8	6.62	66	10	10	H05VV-F 2*1.0
3					0.8	7.03	80	10	10	H05VV-F 3*1.0
4					0.9	7.88	103	10	10	H05VV-F 4*1.0
2	1.5	0.26	13.3	0.7	0.8	7.47	86	17	17	H05VV-F 2*1.5
3					0.9	8.14	109	17	17	H05VV-F 3*1.5
4					1	9.1	139	17	17	H05VV-F 4*1.5
2	2.5	0.26	7.98	0.8	1	9.13	132	24	20	H05VV-F 2*2.5
3					1.1	9.9	166	24	20	H05VV-F 3*2.5
4					1.1	10.83	205	24	20	H05VV-F 4*2.5
2	4.0	0.31	4.95	0.8	1.1	10.42	182	31	24	H05VV-F 2*4
3					1.2	11.28	231	31	24	H05VV-F 3*4
4					1.2	12.34	287	31	24	H05VV-F 4*4
2	6.0	0.31	3.3	0.8	1.2	11.75	242	40	31	H05VV-F 2*6
3					1.4	12.89	315	40	31	H05VV-F 3*6
4					1.4	14.11	394	40	31	H05VV-F 4*6