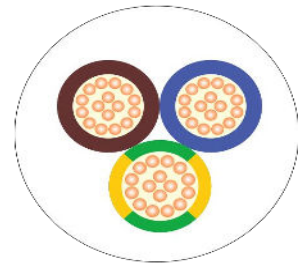


Electric Cable H05VV-F



Application:

Ordinary duty PVC cable for use in domestic appliances, kitchens and offices. For use with light portable appliances such as table lamps and office equipment. Generally unsuitable for outdoor use or industrial applications.

Cable Standards:

EN 50525-2-11, EN 60228

Flame Retardant according to IEC/EN 60332-1-2

Product Description:

Conductor	Class 5 Flexible Copper Wires
Insulation	Polyvinyl Chloride (PVC)
Sheath	Polyvinyl Chloride (PVC)

Characteristics:

Voltage Rating U_0/U	H05V-K: 300/500V
Temperature Rating	-5°C to +70°C
Minimum Bending Radius	Fixed: 8 x overall diameter

Core Identification:

2 Core:	 Blue	 Brown			
3 Core:	 Blue	 Brown	 Green/Yellow		
4 Core:	 Brown	 Black	 Grey	 Green/Yellow	
5 Core:	 Brown	 Black	 Grey	 Blue	 Green/Yellow

* Should not be installed at temperatures below 0°C

General Power Cable



Dimensions:

Item Code	No. Of Cores	Nominal Cross Sectional Area(mm ²)	Nominal Thickness Of Insulation (mm)	Nominal Overall Diameter (mm)	Nominal Weight (mm)
H05VV-F 2x0.75	2	0.75	0.6	6.2	57
H05VV-F 2x1	2	1.00	0.6	6.6	65
H05VV-F 2x1.5	2	1.50	0.7	7.4	84
H05VV-F 2x2.5	2	2.50	0.8	9.1	130
H05VV-F 3x0.75	3	0.75	0.6	6.7	68
H05VV-F 3x1	3	1.00	0.6	7.0	78
H05VV-F 3x1.5	3	1.50	0.7	8.1	108
H05VV-F 3x2.5	3	2.50	0.8	9.9	163
H05VV-F 3x4	3	4.00	0.8	11.3	227
H05VV-F 4x0.75	4	0.75	0.6	7.3	82
H05VV-F 4x1	4	1.00	0.6	7.9	100
H05VV-F 4x1.5	4	1.50	0.7	9.0	134
H05VV-F 4x2.5	4	2.50	0.8	10.8	201
H05VV-F 5x0.75	5	0.75	0.6	8.1	102
H05VV-F 5x1	5	1.00	0.6	8.6	120
H05VV-F 5x1.5	5	1.50	0.7	10.0	166

Conductors:

Nominal Cross Sectional Area(mm ²)	Maximum Diameter Of Wires In Conductor	MAXIMUM RESISTANCE OF CONDUCTOR AT 60°C ohms/km
		Plain Wires
0.75	0.21	26.00
1	0.21	19.50
1.5	0.26	13.30
2.5	0.26	7.98
4	0.31	4.95

The above table is in accordance with EN 60228
Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

Current Carrying Capacity

Nominal Cross Sectional Area (mm ²)	Current Carrying Capacity Amps		Maximum Mass Supportable By Twin Flexible Cord Kg
	Single-Phase AC	Three-Phase AC	
0.75	6.0	6.0	3
1	10.0	10.0	5
1.5	16.0	16.0	5
2.5	25.0	25.0	5
4	32.0	32.0	5

The above table is in accordance with Table 4F3A of the 17th Edition of IEE Wiring Regulations.

Voltage Drop:

Nominal Cross Sectional Area (mm ²)	DC Or Single-phase AC (mV/A/m)	Three-phase AC (mV/A/m)
0.75	62.0	54.0
1	46.0	40.0
1.5	32.0	27.0
2.5	19.0	16.0
4	12.0	10.0

Conductor operating temperature: 60°C
The above table is in accordance with Table 4F3B of the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52.