



Low Voltage Cables
Product Catalogue
H05VV-F
2022

CONSTRUCTION

Based on:	EN50525-2-11
Conductor:	Flexible fine copper wires according to IEC 60228 Class 5
Insulation:	PVC compound T12 quality according to EN 50363-3
Outer Sheath:	PVC compound TM2 quality according to EN50363-4-1
Nominal Voltage U_0/U :	300/500 V
Test Voltage:	2000 V
Rated Temperature:	-5°C – 60°C
Max Temperature:	70°C
Bending Radius:	6 x D (outer diameter)
Flame Retardant:	according to IEC 60332-1-2
Sheath Colour:	Black or White



APPLICATIONS

H05VV-F is a flexible PVC cable resistant to flame and medium mechanical stress. It is suitable for use indoor covered and dry conditions. Installation is apt for household and office appliances. For example, hair dryers, refrigerators, ovens, fans, washing machines, etc.

CORE IDENTIFICATION

Two Cores:	● Brown	● Blue			
Three Cores:	● Brown	● Blue	● Green-and-Yellow		
Four Cores:	● Brown	● Black	● Grey	● Green-and-Yellow	
Five Cores:	● Brown	● Black	● Grey	● Blue	● Green-and-Yellow

Note: G – with green and yellow protective conductor
 x – without green and yellow protective conductor

DATASHEET

NOMINAL SIZE	GOLDBERG NUMBER	NOMINAL INSULATION THICKNESS	MEAN OVERALL DIAMETER	RESISTANCE OF CONDUCTOR AT 20°C	CURRENT CARRYING CAPACITY AIR AMBIENT TEMPERATURE OF 30°C	APPROX WEIGHT OF CABLE
mm²		mm	mm	Ω/km	A	kg/km
2C x 0.75	GB320075	0.6	6.1 – 6.5	26.0	7	45
2C x 1	GB32010	0.6	6.5 – 6.9	19.5	9	66
2C x 1.5	GB32015	0.7	7.4 – 7.8	13.3	13	85
2C x 2.5	GB32025	0.8	9.1 – 9.7	7.98	20	116
2C x 4	GB32040	0.8	10.6 – 11.2	4.95	28	169
3G 0.75	GB330075	0.6	6.5 – 6.9	26.0	7	67
3G 1	GB33010	0.6	7.0 – 7.4	19.5	9	78
3G 1.5	GB33015	0.7	8.0 – 8.6	13.3	13	107
3G 2.5	GB33025	0.8	9.8 – 10.4	7.98	20	168
3G 4	GB33040	0.8	11.1 – 11.7	4.95	28	216
4G 0.75	GB340075	0.6	7.1 – 7.6	26.0	7	84
4G 1	GB34010	0.6	7.8 – 8.4	19.5	9	98
4G 1.5	GB34015	0.7	8.9 – 9.5	13.3	13	134
4G 2.5	GB34025	0.8	10.8 – 11.4	7.98	20	192
4G 4	GB34040	0.8	12.1 – 12.9	4.95	28	268
5G 0.75	GB350075	0.6	8.1 – 8.7	26.0	7	95
5G 1	GB35010	0.6	8.5 – 9.1	19.5	9	125
5G 1.5	GB35015	0.7	10.0 – 10.6	13.3	13	165
5G 2.5	GB35025	0.8	12.0 – 12.8	7.98	20	238
5G 4	GB35040	0.8	13.7 – 14.5	4.95	28	336

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