

H05VV-F Flexible Cable



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.

CHARACTERISTICS

Voltage Rating U_0/U

300/500V

Operating Temperature

Flexed: +5°C to +70°C

Minimum Bending Radius

Flexed: 8 x overall diameter

STANDARDS

EN 50525-2-11, EN 60228

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

CONSTRUCTION

Conductor

Class 5 flexible copper conductor

Insulation

PVC (Polyvinyl Chloride)

Sheath

PVC (Polyvinyl Chloride)

Core Identification

2 core: Blue Brown

3 core: Green/Yellow Blue Brown

4 core: Green/Yellow Brown Black Grey

5 core: Green/Yellow Brown Black Grey Blue

Sheath Colour

White Black

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA	NOMINAL THICKNESS OF INSULATION	NOMINAL OVERALL DIAMETER	NOMINAL WEIGHT
	mm ²	mm	mm	kg/km
2	0.75	0.6	6.3	57
2	1	0.6	6.6	65
2	1.5	0.7	7.4	84
2	2.5	0.8	9.1	130
3	0.75	0.6	6.7	68
3	1	0.6	7	78
3	1.5	0.7	8.1	108
3	2.5	0.8	9.9	163
3	4	0.8	11.3	227
4	0.75	0.6	7.3	82
4	1	0.6	7.9	100
4	1.5	0.7	9	134
4	2.5	0.8	10.8	201
5	0.75	0.6	8.1	102
5	1	0.6	8.6	120
5	1.5	0.7	10	166

COLOUR CODES

COLOUR	White	Black
CODE	WH	BK

CONDUCTORS

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
mm ²	mm	Plain Wires
0.75	0.21	26
1	0.21	19.5
1.5	0.26	13.3
2.5	0.26	7.98
4	0.31	4.95

ELECTRICAL CHARACTERISTICS

Current Carrying Capacity and Mass Supportable

NOMINAL CROSS SECTIONAL AREA	CURRENT CARRYING CAPACITY Amps		MAXIMUM MASS SUPPORTABLE BY TWIN FLEXIBLE CORD (See regulations 522.7.2 and 559.6.1.5 of the 17th Edition of IEE Wiring Regulations)
mm2	Single-Phase AC	Three-Phase AC	kg
0.75	6	6	3
1	10	10	5
1.5	16	16	5
2.5	25	20	5
4	32	25	5

VOLTAGE DROP

NOMINAL CROSS SECTIONAL AREA	DC OR SINGLE-PHASE AC	THREE-PHASE AC
mm2	mV/A/m	mV/A/m
0.75	62	54
1	46	40
1.5	32	27
2.5	19	16
4	12	10

Conductor operating temperature: 60°C

DE-RATING FACTORS

De-Rating Factor for Ambient Temperature 60°C Thermoplastic or Thermosetting Insulated Cords

AIR TEMPERATURE	35°C	40°C	45°C	50°C	55°C
DE-RATING FACTOR	0.91	0.82	0.71	0.58	0.41