

381-Y Flexible Cable H05VV-F



Conductor:

Class 5 Flexible Plain Copper Conductors BS EN 60228:2005 (previously BS6360)

Insulation:

PVC (Polyvinyl Chloride) to BS7655

Standards:

0.5-2.5mm² to BS6500, 4.0mm² to BS7919, 6.0mm² generally to BS7179, VDE28, CENELEC HD21.5

Sheath:

PVC (Polyvinyl Chloride) to BS7655

Voltage Rating:

300/500v

Temperature Rating:

0°C to + 60°C

Sheath Colour:

Black or White

Core Identification:

2 Cores: Blue, Brown

3 Cores: Green/Yellow, Blue, Brown

4 Cores: Green/Yellow, Brown, Black, Grey

5 Cores: Green/Yellow, Brown, Black, Grey, Blue

Minimum Bending Radius:

6 x Overall Diameter

Dimensions:

No. of Cores x CSA mm ²	Nominal Thickness of Insulation mm	Nominal Weight Kg/Km	Nominal Overall Diameter mm
2x0.75	0.6	54.2	6.20
2x1.00	0.6	60.5	6.40
2x1.50	0.7	82.3	7.40
2x2.50	0.8	129.1	9.20
3x0.75	0.6	65.0	6.60
3x1.00	0.6	73.1	6.80
3x1.50	0.7	104.4	8.10
3x2.50	0.8	163.0	10.00
3x4.00	0.8	224.0	11.30
4x0.75	0.6	77.7	7.10
4x1.00	0.6	93.0	7.60
4x1.50	0.7	131.7	9.00
4x2.50	0.8	199.6	10.90
5x0.75	0.6	97.3	8.00
5x1.00	0.6	111.7	8.30
5x1.50	0.7	163.1	10.00

Conductors:

Nominal Cross Sectional Area (mm ²)	Max. Resistance of Conductor at 20° Plain Wires (Ohms/Km)	Max. Diameter of Wires in Conductor (mm)
0.75	26.0000	0.21
1.00	19.5000	0.21
1.50	13.3000	0.26
2.50	7.9800	0.26
4.00	4.9500	0.31

Electrical Characteristics for Size 0.5-2.5mm²:

Conductor Cross Sectional Area (mm ²)	Single Phase AC (Amps)	Three Phase AC (Amps)	Maximum Mass Supportable by Twin Flexible Cord (kg)
0.75	26.6000	27	41
1.00	19.5000	32	55
1.50	13.3000	42	71
2.50	7.9800	59	90
4.00	4.9500	81	124

De-Rating Factor for Ambient Temperature:

60° Thermoplastic or Thermosetting Insulated Cords:

Ambient Temperature	35°C	40°C	45°C	50°C	55°C
Rating Factor	0.91	0.82	0.71	0.58	0.41

Voltage Drop (per ampere per metre)

Conductor Cross Sectional Area mm ²	DC or Single Phase AC mV/A/m	Three Phase AC mV/A/m
0.50	93	80
0.75	62	54
1.00	46	40
1.50	32	27
2.50	19	16

Electrical Characteristics for Size 4.0mm² and Above:

Conductor Cross Sectional Area mm ²	Single Phase AC or DC 1 Two Core with or without protective Conductor A	Three Phase AC mV/A/m
0.50	93	80
0.75	62	54
1.00	46	40
1.50	32	27
2.50	19	16

Part Number Reference:

Nominal Cross Sectional Area # x mm ²	Colour	
	White	Black
2x0.75	720-301	720-302
2x1.00	720-303	720-304
2x1.50	720-305	720-306
2x2.50	720-307	720-308
3x0.75	720-309	720-310
3x1.00	720-311	720-312
3x1.50	720-313	720-314
3x2.50	720-315	720-316
3x4.00	720-317	720-318
4x0.75	720-319	720-320
4x1.00	720-321	720-322
4x1.50	720-323	720-324
4x2.50	720-325	720-326
5x0.75	720-327	720-328
5x1.00	720-329	720-330
5x1.50	720-331	720-332