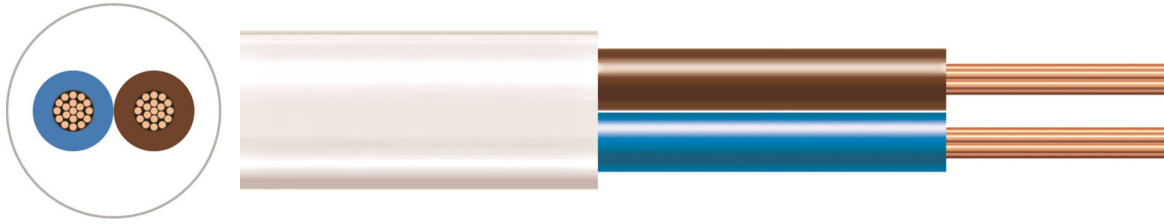


218-Y / H03VV-F PVC FLEXIBLE CABLE



218-Y, a versatile electrical cable ideal for domestic and office environments. Designed for light-duty tasks, it's suitable for powering various appliances like kettles, radios, and office equipment. Built with safety in mind, 218-Y ensures reliable performance indoors.

CONDUCTOR	Plain Copper
STRANDING	Class 5
INSULATION	PVC
OUTERSHEATH	PVC
OUTERSHEATH COLOUR	Black, White
RATED VOLTAGE	300V
CORE IDENTIFICATION	2 core: Blue, Brown 3 core: Green/Yellow, Blue, Brown 4 core: Green/Yellow, Grey, Brown, Black
MINIMUM BENDING RADIUS	6 x Overall Diameter
OPERATING TEMPERATURE	70°C
STANDARDS	BS EN 50525-2-11

SPECIFICATION DATA

BATT Part No. Black	BATT Part No. White	No. cores	Nominal cross sectional area of conductor	Radial thickness of insulation	Nominal thickness of oversheath	Approx overall diameter	Weight
37267	37212	2	0.50	0.5	0.6	5.3	37
37392	37165	2	0.75	0.5	0.6	5.6	45
37364	37076	3	0.50	0.5	0.6	5.6	43
37393	37231	3	0.75	0.5	0.6	6.0	54
37789	37789	4	0.50	0.5	0.6	6.2	53
-	37568	4	0.75	0.5	0.6	6.5	68

RATING TABLES

**COPPER
CONDUCTORS**

**TABLE 4F3A - Flexible cables,
non-armoured
(COPPER CONDUCTORS)**

CURRENT-CARRYING CAPACITY (amperes): and MASS SUPPORTABLE (kg):

Conductor cross-sectional area	Current-carrying capacity		Maximum mass supportable by twin flexible cable (see Regulations 522.7.2 and 559.5.2)
	Single-phase AC	Three-phase AC	
1 (mm ²)	2 (A)	3 (A)	4 (kg)
0.5	3	3	2
0.75	6	6	3
1	10	10	5
1.25	13	-	5
1.5	16	16	5
2.5	25	20	5
4	32	25	5

Where cable is on a reel see the notes to Table 4F1A.

RATING FACTOR FOR AMBIENT TEMPERATURE

60 °C thermoplastic or thermosetting insulated cable:

Ambient temperature	35 °C	40 °C	45 °C	50 °C	55 °C
Rating factor	0.91	0.82	0.71	0.58	0.41

110 °C flexible cable:

Ambient temperature	35 to 80 °C	85 °C	90 °C	95 °C	100 °C	105 °C
Rating factor	1.0	0.96	0.85	0.74	0.60	0.42

90 °C thermoplastic or thermosetting insulated cable:

Ambient temperature	35 to 50 °C	55 °C	60 °C	65 °C	70 °C
Rating factor	1.0	0.96	0.83	0.67	0.47

150 °C flexible cable:

Ambient temperature	35 to 120 °C	125 °C	130 °C	135 °C	140 °C	145 °C
Rating factor	1.0	0.96	0.85	0.74	0.60	0.42

Glass fibre flexible cable:

Ambient temperature	35 to 50 °C	155 °C	160 °C	165 °C	170 °C	175 °C
Rating factor	1.0	0.92	0.82	0.71	0.57	0.40

TABLE 4F3B

VOLTAGE DROP (per ampere per metre):

Conductor operating temperature: 60 °C

Conductor cross-sectional area	DC or single-phase AC	Three-phase AC
1 (mm ²)	2 (mV/A/m)	3 (mV/A/m)
0.5	93	80
0.75	62	54
1	46	40
1.25	37	-
1.5	32	27
2.5	19	16
4	12	10

NOTE: * The tabulated values above are for 60 °C thermoplastic or thermosetting insulated flexible cables and for other types of flexible cable they are to be multiplied by the following factors:

For	90 °C thermoplastic or thermosetting insulated	1.09
	110 °C	1.17
	150 °C	1.31
	185 °C glass fibre	1.43

The information in this datasheet is for guidance only and subject to change without liability. Images provided are representations; actual cable dimensions may vary due to manufacturing tolerances.

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