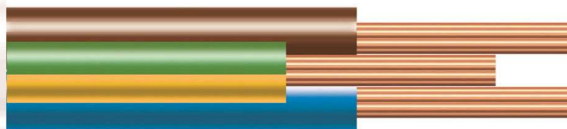
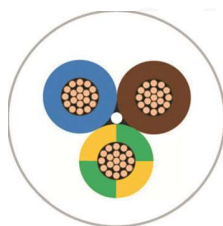


318-Y / H05VV-F PVC FLEXIBLE CABLE



Introducing our versatile PVC Flex Cable, suitable for a range of applications from domestic to office environments. Crafted with plain annealed flexible copper conductors and PVC insulation, it's perfect for powering medium-duty appliances like washing machines and refrigerators. Designed for indoor use, it's ideal for domestic appliances, kitchens, and offices, powering light portable appliances such as table lamps and office equipment. However, it's not recommended for outdoor use.

CONDUCTOR	Plain Copper
STRANDING	Class 5
INSULATION	PVC
OUTERSHEATH	PVC
OUTERSHEATH COLOUR	Black, White, Orange
RATED VOLTAGE	300/500V
CORE IDENTIFICATION	2 core: Brown & Blue 3 core: Brown, Blue & Green/Yellow 4 core: Brown, Grey, Black & Green/Yellow 5 core: Brown, Blue, Grey, Black & Green/Yellow
MINIMUM BENDING RADIUS	6 x Overall Diameter
OPERATING TEMPERATURE	60°C
STANDARDS	H05VV-F BS EN 50525-2-11
APPROVALS	

SPECIFICATION DATA

BATT Part No. Black	BATT Part No. White	BATT Part No. Orange	No. cores	Nominal cross sectional area of conductor	Nominal thickness of insulation	Approx overall diameter	Weight
37288	37289	37290	2	0.75	0.6	6.3	57
37293	37295	-	2	1	0.6	6.6	65
37299	37300	37481	2	1.5	0.7	7.4	84
37304	37305	-	2	2.5	0.8	7.5	130
37308	37309	-	2	4	0.8	9.3	200
37325	37327	37323	3	0.75	0.6	6.7	68
37334	37335	37616	3	1	0.6	7	78
37341	37342	37617	3	1.5	0.7	8.1	108
37346	37347	37615	3	2.5	0.8	9.9	163
37350	37351	-	3	4	0.8	11.3	227
37567	37550	-	4	0.75	0.6	7.3	82
37556	37531	-	4	1	0.6	7.9	100
-	37554	-	4	1.5	0.7	9	134
37547	37551	-	4	2.5	0.8	10.8	201
37575	-	-	4	4	0.8	12.1	250
37628	37559	-	5	0.75	0.6	8.1	102
-	37563	-	5	1	0.6	8.6	120
37608	37560	-	5	1.5	0.7	10	166
37611	37561	-	5	2.5	0.8	12.5	265

RATING TABLES

COPPER
CONDUCTORS

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

CURRENT-CARRYING CAPACITY (ampères): 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	2	3	4
(mm²)	(A)	(A)	(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

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

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

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	2	3
(mm ²)	(mV/A/m)	(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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