

## ASHFLEXI CABLES

### MULTI CORES CU/ PVC/ PVC 300/500 V

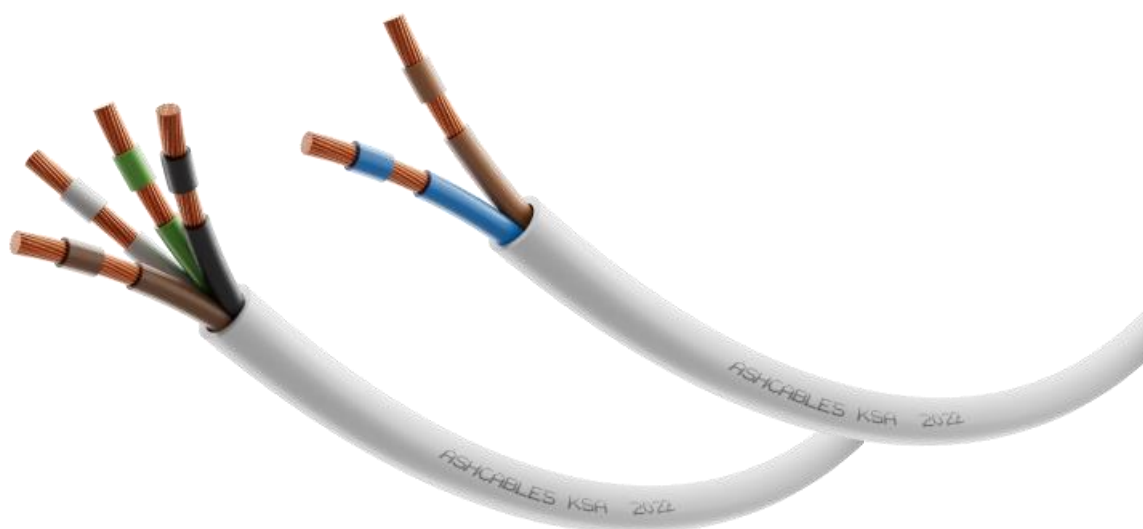
### GENERAL PURPOSE AND HEAT RESISTANT CABLES

#### APPLICATION:

-The cables are intended for a variety of applications where appliances or Industrial machines, require a flexible connection to the power supply.

#### CONSTRUCTION DETAILS

<b>Reference Standard</b>	IEC 60277-5, BS EN 50525-2-11, BS EN 50363-3, BS EN 50363-4-1, BS EN 50525-1	
<b>Rated voltage</b>	300 / 500V (Size range: 0.75 mm <sup>2</sup> to 4 mm <sup>2</sup> ), 300 / 300V (Size range: 0.5 mm <sup>2</sup> to 0.75 mm <sup>2</sup> ),	
<b>Conductor Material</b>	Plain annealed Copper conductor, Flexible Class (5) of BS EN 60228.	
<b>Conductor Insulation</b>	Extruded Poly vinyl Chloride (PVC 70°C) compound. H03VV-F, H05VV-F Extruded Poly vinyl Chloride (PVC 90°C) compound. H03V2V2-F, H05V2V2-F	
<b>Insulation color</b>	<b>No. of cores</b>	<b>Core Identification</b>
	2 Cores	Brown, Blue
	3 Cores	Green/Yellow, Blue, Brown
	4 Cores	Green/Yellow, Brown, Black, Grey
	5 Cores	Green/Yellow, Blue, Brown, Black, Grey
<b>Assembly</b>	Insulated conductors are laid up to form a core and non-hygroscopic filler (if required) Polyester wrapping tape (if required)	
<b>Outer Sheathing</b>	Extruded Poly vinyl Chloride (PVC 70°C) compound. H03VV-F, H05VV-F Extruded Poly vinyl Chloride (PVC 90°C) compound. H03V2V2-F, H05V2V2-F (White color or as request)	
<b>Marking (Printing)</b>	<b>Table 1, Table 2, Table 3, Table 4</b>	
<b>Cable drawing</b>	Figure 1	



#### FLAME BEHAVIOUR, MECHANICAL & ENVIRONMENTAL PROPERTY

<b>Operating Temperature</b>	-20°C to 70°C (H03VV-F, H05VV-F) -20°C to 90°C (H03V2V2-F, H05V2V2-F)
<b>Bending Radius</b>	8 X Cable Outer Diameter
<b>Flame Retardance</b>	Pass Flammability Test Requirement of IEC:60332-1-2

<b>PACKING</b>	100 Yards coiled and 500/1000 mts in cable Wooden Drum or any other customer requirement Each spools/drum shall be marked with ASH cables standard practice.
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## ASHFLEXI CABLES

### MULTI CORES CU/ PVC/ PVC 300/500 V

### GENERAL PURPOSE AND HEAT RESISTANT CABLES

**Table 1**  
**DIMENSIONAL DATA SHEET**

#### H03VV-F (70°C), 300/300V (GENERAL PURPOSE -LIGHT DUTY CABLES)

S/N	ASH ITEM CODE	CABLE REQUIREMENT		NOM. INSULATION THICKNESS (mm)	NOM. OUTER SHEATH THICKNESS (mm)	APPRX. CABLE DIA. (mm)	Approx. Cable Weight (kg/km)	Maximum Conductor DC Resistance at 20°C	Standard Length
		No. of cores X size (MM2)	BS EN 60228 Class						
1	P351-02C00005-UWH1E	2CX0.50	Class 5	0.50	0.60	5.30	40	≤39.00	100YARDS
2	P351-02C00075-UWH1E	2CX0.75	Class 5	0.50	0.60	5.80	50	≤26.00	100YARDS
3	P351-03C00005-UWH1E	3CX0.50	Class 5	0.50	0.60	5.70	48	≤39.00	100YARDS
4	P351-03C00075-UWH1E	3CX0.75	Class 5	0.50	0.60	6.00	60	≤26.00	100YARDS
5	P351-04C00005-UWH1E	4CX0.50	Class 5	0.50	0.60	6.20	60	≤39.00	100YARDS
6	P351-04C00075-UWH1E	4CX0.75	Class 5	0.50	0.60	6.70	70	≤26.00	100YARDS
CABLE PRINTING		ASHFLEXI (no. of core) X (size) MM2 CU/PVC/PVC 300/300V IEC 60227-5 ASHCABLES KSA (YEAR OF MANUFACTURE) (METER MARKING)							

**Table 2**  
**DIMENSIONAL DATA SHEET**

#### H03V2V2-F (90°C), 300/300V (HEAT RESISTANT, LIGHT DUTY CABLES)

S/N	ASH ITEM CODE	CABLE REQUIREMENT		NOM. INSULATION THICKNESS (mm)	NOM. OUTER SHEATH THICKNESS (mm)	APPRX. CABLE DIA. (mm)	Approx. Cable Weight (kg/km)	Maximum Conductor DC Resistance at 20°C	Standard Length
		No. of cores X size (MM2)	BS EN 60228 Class						
1	PB51-02C00005-UWH1E	2CX0.50	Class 5	0.50	0.60	5.30	40	≤39.00	100YARDS
2	PB51-02C00075-UWH1E	2CX0.75	Class 5	0.50	0.60	5.80	50	≤26.00	100YARDS
3	PB51-03C00005-UWH1E	3CX0.50	Class 5	0.50	0.60	5.70	48	≤39.00	100YARDS
4	PB51-03C00075-UWH1E	3CX0.75	Class 5	0.50	0.60	6.00	60	≤26.00	100YARDS
5	PB51-04C00005-UWH1E	4CX0.50	Class 5	0.50	0.60	6.20	60	≤39.00	100YARDS
6	PB51-04C00075-UWH1E	4CX0.75	Class 5	0.50	0.60	6.70	70	≤26.00	100YARDS
CABLE PRINTING		ASHFLEXI (no. of core) X (size) MM2 CU/PVC/PVC 300/300V 90°C IEC 60227-5 ASHCABLES KSA (YEAR OF MANUFACTURE) (METER MARKING)							

**Table 3**  
**DIMENSIONAL DATA SHEET**

#### H05VV-F (70°C), 300/500V (GENERAL PURPOSE -ORDINARY DUTY CABLES)

S/N	ASH ITEM CODE	CABLE REQUIREMENT		NOM. INSULATION THICKNESS (mm)	NOM. OUTER SHEATH THICKNESS (mm)	APPRX. CABLE DIA. (mm)	Approx. Cable Weight (kg/km)	Maximum Conductor DC Resistance at 20°C	Standard Length
		No. of cores X size (MM2)	BS EN 60228 Class						
1	P551-02C00075-UWH1E	2CX0.75	Class 5	0.60	0.80	6.50	60	≤26.00	100YARDS
2	P551-02C00100-UWH1E	2CX1.00	Class 5	0.60	0.80	6.80	70	≤19.50	100YARDS
3	P551-02C00150-UWH1E	2CX1.50	Class 5	0.70	0.80	7.70	90	≤13.30	100YARDS
4	P551-02C00250-UWH1E	2CX2.50	Class 5	0.80	1.00	9.40	140	≤7.98	100YARDS
5	P551-02C00400-UWH1E	2CX4.00	Class 5	0.80	1.10	10.70	190	≤4.95	100YARDS
6	P551-03C00075-UWH1E	3CX0.75	Class 5	0.60	0.80	6.90	75	≤26.00	100YARDS
7	P551-03C00100-UWH1E	3CX1.00	Class 5	0.60	0.80	7.20	85	≤19.50	100YARDS
8	P551-03C00150-UWH1E	3CX1.50	Class 5	0.70	0.90	8.40	115	≤13.30	100YARDS
9	P551-03C00250-UWH1E	3CX2.50	Class 5	0.80	1.10	10.20	175	≤7.98	100YARDS
10	P551-03C00400-UWH1E	3CX4.00	Class 5	0.80	1.20	11.60	240	≤4.95	100YARDS
11	P551-04C00075-UWH1E	4CX0.75	Class 5	0.60	0.90	7.50	90	≤26.00	100YARDS
12	P551-04C00100-UWH1E	4CX1.00	Class 5	0.60	0.90	8.00	105	≤19.50	100YARDS
13	P551-04C00150-UWH1E	4CX1.50	Class 5	0.70	1.00	9.30	140	≤13.30	100YARDS
14	P551-04C00250-UWH1E	4CX2.50	Class 5	0.80	1.10	11.0	210	≤7.98	100YARDS
15	P551-04C00400-UWH1E	4CX4.00	Class 5	0.80	1.20	12.50	295	≤4.95	100YARDS
16	P551-05C00075-UWH1E	5CX0.75	Class 5	0.60	0.90	8.50	110	≤26.00	100YARDS
17	P551-05C00100-UWH1E	5CX1.00	Class 5	0.60	0.90	8.80	130	≤19.50	100YARDS
18	P551-05C00150-UWH1E	5CX1.50	Class 5	0.70	1.10	10.40	180	≤13.30	100YARDS
19	P551-05C00250-UWH1E	5CX2.50	Class 5	0.80	1.20	12.40	265	≤7.98	100YARDS
20	P551-05C00400-UWH1E	5CX4.00	Class 5	0.80	1.40	15.50	470	≤4.95	100YARDS
CABLE PRINTING		ASHFLEXI (no. of core) X (size) MM2 CU/PVC/PVC 300/500V IEC 60227-5 ASHCABLES KSA (YEAR OF MANUFACTURE) (METER MARKING)							

## ASHFLEXI CABLES

### MULTI CORES CU/ PVC/ PVC 300/500 V

### GENERAL PURPOSE AND HEAT RESISTANT CABLES

**Table 4**  
**DIMENSIONAL DATA SHEET**

**H05V2V2-F (90°C), 300/500V (HEAT RESISTANT, ORDINARY DUTY CABLES)**

S/N	ASH ITEM CODE	CABLE REQUIREMENT		NOM. INSULATION THICKNESS (mm)	NOM. OUTER SHEATH THICKNESS (mm)	APPRX. CABLE DIA. (mm)	Approx. Cable Weight (kg/km)	Maximum Conductor DC Resistance at 20°C	Standard Length
		No. of cores X size (MM2)	BS EN 60228 Class						
1	PY53-02C00075-UWH1M	2CX0.75	Class 5	0.60	0.80	6.50	61	≤26.00	100YARDS
2	PY53-02C00100-UWH1M	2CX1.00	Class 5	0.60	0.80	6.80	71	≤19.50	100YARDS
3	PY53-02C00150-UWH1M	2CX1.50	Class 5	0.70	0.80	7.70	92	≤13.30	100YARDS
4	PY53-02C00250-UWH1M	2CX2.50	Class 5	0.80	1.00	9.40	142	≤7.98	100YARDS
5	PY53-02C00400-UWH1M	2CX4.0	Class 5	0.80	1.10	10.70	192	≤4.95	100YARDS
6	PY53-03C00075-UWH1M	3CX0.75	Class 5	0.60	0.80	6.90	76	≤26.00	100YARDS
7	PY53-03C00100-UWH1M	3CX1.00	Class 5	0.60	0.80	7.20	87	≤19.50	100YARDS
8	PY53-03C00150-UWH1M	3CX1.50	Class 5	0.70	0.90	8.40	117	≤13.30	100YARDS
9	PY53-03C00250-UWH1M	3CX2.50	Class 5	0.80	1.10	10.20	176	≤7.98	100YARDS
10	PY53-03C00400-UWH1M	3CX4.0	Class 5	0.80	1.20	11.60	242	≤4.95	100YARDS
11	PY53-04C00075-UWH1M	4CX0.75	Class 5	0.60	0.90	7.50	91	≤26.00	100YARDS
12	PY53-04C00100-UWH1M	4CX1.00	Class 5	0.60	0.90	8.00	107	≤19.50	100YARDS
13	PY53-04C00150-UWH1M	4CX1.50	Class 5	0.70	1.00	9.30	142	≤13.30	100YARDS
14	PY53-04C00250-UWH1M	4CX2.50	Class 5	0.80	1.10	11.0	212	≤7.98	100YARDS
15	PY53-04C00400-UWH1M	4CX4.0	Class 5	0.80	1.20	12.50	297	≤4.95	100YARDS
16	PY53-05C00075-UWH1M	5CX0.75	Class 5	0.60	0.90	8.50	112	≤26.00	100YARDS
17	PY53-05C00100-UWH1M	5CX1.00	Class 5	0.60	0.90	8.80	132	≤19.50	100YARDS
18	PY53-05C00150-UWH1M	5CX1.50	Class 5	0.70	1.10	10.40	182	≤13.30	100YARDS
19	PY53-05C00250-UWH1M	5CX2.50	Class 5	0.80	1.20	12.40	267	≤7.98	100YARDS
20	PY53-05C00400-UWH1M	5CX4.0	Class 5	0.80	1.40	15.50	477	≤4.95	100YARDS
CABLE PRINTING		ASHFLEXI (no. of core) X (size) MM2 CU/PVC/PVC 300/500V 90°C IEC 60227-5 ASHCABLES KSA (YEAR OF MANUFACTURE) (METER MARKING)							

Dimensions and Weights are subject for manufacturing Tolerance.