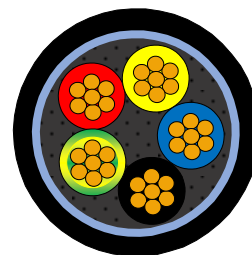
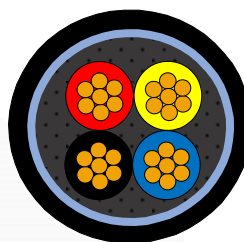
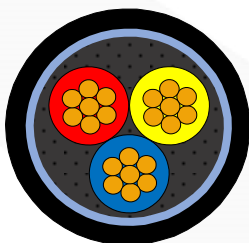
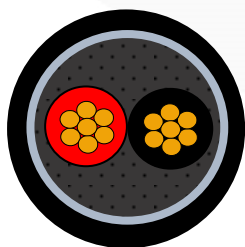


APPLICATION:

-The cables are intended for a variety of applications in fixed wiring of power supply to sockets, switches, and lighting fittings of domestic and commercial buildings. 300/500V with stranded conductor to IEC 60228 class 2.

CONSTRUCTION DETAILS

Reference Standard	IEC 60277-4, IEC 60228, IEC 60332-1-2	
Rated voltage	300 / 500V	
Conductor Material	Plain annealed Copper conductor, Stranded Class (2) of IEC EN 60228.	
Conductor Insulation	Extruded Poly vinyl Chloride (PVC 70°C) compound.	
Insulation color	No. of cores	Core Identification
	2 Cores	Red, Black
	3 Cores	Red, Yellow, Blue
	4 Cores	Red, Yellow, Blue, Black
	5 Cores	Red, Yellow, Blue, Black, Green/Yellow
Assembly	Insulated conductors are laid up to form a core and non-hygroscopic filler (if required) Polyester wrapping tape (if required)	
Outer Sheathing	Extruded Poly vinyl Chloride (PVC 70°C) compound. H05VV-R.	
Marking (Printing)	Table 1,	
Cable drawing	Figure 1	



FLAME BEHAVIOUR, MECHANICAL & ENVIRONMENTAL PROPERTY

Operating Temperature	-20°C to 70°C (H05VV-R)
Bending Radius	8 X Cable Outer Diameter
Flame Retardance	Pass Flammability Test Requirement of IEC:60332-1-2

PACKING	500/1000 mts in cable Wooden Drum or any other customer requirement
	Each spools/drum shall be marked with ASH cables standard practice.

ASH POWER

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

GENERAL PURPOSE CABLES

Table 1
DIMENSIONAL DATA SHEET

S/N	ASH ITEM CODE	No. of cores X size (MM2/#wires&dia.)	NOM. INSULATION THICKNESS (mm)	NOM. OUTER SHEATH THICKNESS (mm)	NOM. OUTER SHEATH THICKNESS (mm)	APPRX. CABLE DIA. (mm)	Approx. Cable Weight (kg/km)	Maximum Conductor DC Resistance at 20°C
1	P331-02C00100-UBK6E	2CX1.0 (7X0.44 mm)	0.60	0.40	1.20	8.20	102	≤18.10
2	P331-03C00100-UBK6E	3CX1.0 (7X0.44 mm)	0.60	0.40	1.20	8.70	120	≤18.10
3	P331-04C00100-UBK6E	4CX1.0 (7X0.44 mm)	0.60	0.40	1.20	9.30	144	≤18.10
4	P331-05C00100-UBK6E	5CX1.0 (7X0.44 mm)	0.60	0.40	1.20	9.70	173	≤18.10
5	P331-02C00150-UBK6E	2CX1.5 (7X0.52 mm)	0.70	0.40	1.20	9.00	128	≤12.10
6	P331-03C00150-UBK6E	3CX1.5 (7X0.52 mm)	0.70	0.40	1.20	9.50	146	≤12.10
7	P331-04C00150-UBK6E	4CX1.5 (7X0.52 mm)	0.70	0.40	1.20	10.50	177	≤12.10
8	P331-05C00150-UBK6E	5CX1.5 (7X0.52 mm)	0.70	0.40	1.20	11.20	209	≤12.10
9	P331-02C00400-UBK6E	2CX2.5 (7X0.67 mm)	0.80	0.40	1.40	10.50	173	≤7.41
10	P331-03C00250-UBK6E	3CX2.5 (7X0.67 mm)	0.80	0.40	1.40	11.10	210	≤7.41
11	P331-04C00250-UBK6E	4CX2.5 (7X0.67 mm)	0.80	0.40	1.40	12.00	280	≤7.41
12	P331-05C00250-UBK6E	5CX2.5 (7X0.67 mm)	0.80	0.40	1.40	13.10	300	≤7.41
13	P331-02C00600-UBK6E	2CX4 (7X0.84 mm)	0.80	0.40	1.20	11.60	225	≤4.61
14	P331-03C00400-UBK6E	3CX4 (7X0.84 mm)	0.80	0.40	1.20	12.50	280	≤4.61
15	P331-04C00400-UBK6E	4CX4 (7X0.84 mm)	0.80	0.40	1.40	14.00	355	≤4.61
16	P331-05C00400-UBK6E	5CX4 (7X0.84 mm)	0.80	0.60	1.40	15.50	440	≤4.61
17	P331-02C00600-UBK6E	2CX6 (7X1.04 mm)	0.80	0.40	1.20	13.00	292	≤3.08
18	P331-03C00600-UBK6E	3CX6 (7X1.04 mm)	0.80	0.40	1.40	14.00	377	≤3.08
19	P331-04C00600-UBK6E	4CX6 (7X1.04 mm)	0.80	0.60	1.40	15.80	472	≤3.08
20	P331-05C00600-UBK6E	5CX6 (7X1.04 mm)	0.80	0.60	1.40	17.20	580	≤3.08
21	P331-02C01000-UBK6E	2CX10 (7X1.35 mm)	1.0	0.60	1.40	15.80	442	≤1.83
22	P331-03C01000-UBK6E	3CX10 (7X1.35 mm)	1.0	0.60	1.40	16.60	555	≤1.83
23	P331-04C01000-UBK6E	4CX10 (7X1.35 mm)	1.0	0.60	1.40	18.40	685	≤1.83
24	P331-05C01000-UBK6E	5CX10 (7X1.35 mm)	1.0	0.60	1.40	19.90	840	≤1.83
25	P331-02C01600-UBK6E	2CX16 (7X1.68 mm)	1.0	0.60	1.40	17.80	610	≤1.15
26	P331-03C01600-UBK6E	3CX16 (7X1.68 mm)	1.0	0.80	1.40	19.30	787	≤1.15
27	P331-04C01600-UBK6E	4CX16 (7X1.68 mm)	1.0	0.80	1.40	21.00	989	≤1.15
28	P331-05C01600-UBK6E	5CX16 (7X1.68 mm)	1.0	0.80	1.60	22.90	1195	≤1.15
29	P331-02C02500-UBK6E	2CX25 (7X2.14 mm)	1.20	1.00	1.60	23.80	1080	≤0.727
30	P331-03C02500-UBK6E	3CX25 (7X2.14 mm)	1.20	1.00	1.60	25.50	1310	≤0.727
31	P331-04C02500-UBK6E	4CX25 (7X2.14 mm)	1.20	1.00	1.60	28.00	1620	≤0.727
32	P331-05C02500-UBK6E	5CX25 (7X2.14 mm)	1.20	1.00	1.60	30.50	1980	≤0.727
CABLE PRINTING		ASH POWER (no. of core) X (size) MM2 CU/PVC/PVC 300/500V IEC 60227-4 H05VV-R ASHCABLES KSA (YEAR OF MANUFACTURE) (METER MARKING)						