

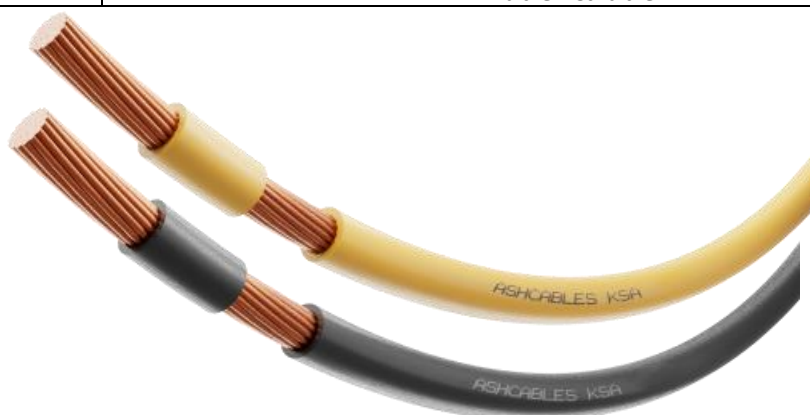
**Cable Features:**

- For use as switchgear and control gear connection equipment.
- It is designed for installation in wiring of switch, control, metering, relay and instrumentation panels of power switchgear, and for such purpose as internal connections in rectifier equipment and its motor starters/controllers.
- They are intended for use at alternating voltages not exceeding 600 V to earth, and direct voltages not exceeding 1000 V to earth.

<b>Reference Standard</b>	BS 6231, BS EN 60228, BS EN 50363
<b>Temperature range</b>	70°C and 105°C
<b>Voltage Rating</b>	600 /1000 V

**CONSTRUCTION DETAILS**

<b>Conductor</b>	<b>Material</b>	Plain/Tinned copper conductor to ASTM B3/B33, Flexible (class 5) to BS EN 60228
<b>Insulation</b>	<b>Material</b>	<p>➤ <b>PVC TI-1 70°C</b> Extruded Polyvinyl Chloride (PVC) Type TI 1 to BS EN 50363-3 with 70°C temperature rating.</p> <p>➤ <b>PVC TI-3 105°C</b> Extruded Polyvinyl Chloride (PVC) Type TI 3 to BS EN 50363-3 with 105°C temperature rating.</p>
	<b>Color Identification</b>	Any colors (As per customer request)
<b>Printing</b>		<b>Table 1&amp;Table 2</b>



FLAME BEHAVIOUR & MECHANICAL PROPERTIES	
<b>Operating Temperature</b>	70°C (Table 1) 105°C (Table 2)
<b>Bending Radius</b>	6XCABLE DIA.
<b>Flame Test</b>	IEC 60332-1-2/ BS EN 60332-1

No.	Colors
1	Blue
2	Orange
3	Green
4	Brown
5	Grey
6	Red
7	Black
8	White
9	Yellow
10	Pink
11	Violet
12	Green/Yellow(s)

**TABLE 1**  
**(CU/PVC TI-1 70°C)**

S/N	ASH CABLES ITEM CODE	Nominal Cross Section	Conductor Class	Nominal Thickness of Insulation	Approx. Overall Diameter	Weight of Finished Cable Approx.	Maximum Conductor DC Resistance at 20°C	Standard Packing Length YARDS(Coil) /MTS(Drum)
		mm <sup>2</sup>		mm	mm	Kg/Km	Ω/Km	
1	YM51-01C00005-UXXXX	0.50	Class 5	0.80	2.60	12	≤39.00	100Y/COIL
2	YM51-01C00075-UXXXX	0.75	Class 5	0.80	2.80	16	≤26.00	100Y/COIL
3	YM51-01C00100-UXXXX	1.00	Class 5	0.80	3.00	20	≤19.50	100Y/COIL
4	YM51-01C00150-UXXXX	1.5	Class 5	0.80	3.20	24	≤13.30	100Y/COIL
5	YM51-01C00250-UXXXX	2.5	Class 5	0.80	3.60	35	≤7.98	100Y/COIL
6	YM51-01C00400-UXXXX	4	Class 5	0.80	4.20	50	≤4.95	100Y/COIL
7	YM51-01C00600-UXXXX	6	Class 5	0.80	4.70	70	≤3.30	100Y/COIL
8	YM51-01C00100-UXXXX	10	Class 5	1.00	6.20	119	≤1.91	100Y/COIL
9	YM51-01C00160-UXXXX	16	Class 5	1.00	7.90	180	≤1.21	100Y/COIL
10	YM51-01C00250-UXXXX	25	Class 5	1.20	9.70	275	≤0.780	100Y/COIL
11	YM51-01C00350-UXXXX	35	Class 5	1.20	10.30	370	≤0.554	100Y/COIL
12	YM51-01C00500-UXXXX	50	Class 5	1.40	12.60	545	≤0.386	1000M/DRUM
13	YM51-01C00700-UXXXX	70	Class 5	1.40	14.50	735	≤0.272	1000M/DRUM
14	YM51-01C00950-UXXXX	95	Class 5	1.60	17.00	990	≤0.206	1000M/DRUM
15	YM51-01C01200-UXXXX	120	Class 5	1.60	19.00	1250	≤0.161	1000M/DRUM
<b>Cable marking</b>		ASH FLEX (size) MM2 CU/PVC FR 70C 600/1000V BS 6231 ASHCABLES KSA						

Dimensions and Weights are subject for manufacturing Tolerance.

**TABLE 2**  
**(CU/PVC HEAT RESISTANT TYPE PVC TI-3 105°C)**

S/N	ASH CABLES ITEM CODE	Nominal Cross Section	Conductor Class	Nominal Thickness of Insulation	Approx. Overall Diameter	Weight of Finished Cable Approx.	Maximum Conductor DC Resistance at 20°C	Standard Packing Length YARDS(Coil) /MTS(Drum)
		mm <sup>2</sup>		mm	mm	Kg/Km	Ω/Km	
1	YM57-01C00005-UXXXX	0.50	Class 5	0.80	2.60	12	≤39.00	100Y/COIL
2	YM57-01C00075-UXXXX	0.75	Class 5	0.80	2.80	16	≤26.00	100Y/COIL
3	YM57-01C00100-UXXXX	1.00	Class 5	0.80	3.00	20	≤19.50	100Y/COIL
4	YM57-01C00150-UXXXX	1.5	Class 5	0.80	3.20	24	≤13.30	100Y/COIL
5	YM57-01C00250-UXXXX	2.5	Class 5	0.80	3.60	35	≤7.98	100Y/COIL
6	YM57-01C00400-UXXXX	4	Class 5	0.80	4.20	50	≤4.95	100Y/COIL
7	YM57-01C00600-UXXXX	6	Class 5	0.80	4.70	70	≤3.30	100Y/COIL
8	YM57-01C00100-UXXXX	10	Class 5	1.00	6.20	119	≤1.91	100Y/COIL
9	YM57-01C00160-UXXXX	16	Class 5	1.00	7.90	180	≤1.21	100Y/COIL
10	YM57-01C00250-UXXXX	25	Class 5	1.20	9.70	275	≤0.780	100Y/COIL
11	YM57-01C00350-UXXXX	35	Class 5	1.20	10.30	370	≤0.554	100Y/COIL
12	YM57-01C00500-UXXXX	50	Class 5	1.40	12.60	545	≤0.386	1000M/DRUM
13	YM57-01C00700-UXXXX	70	Class 5	1.40	14.50	735	≤0.272	1000M/DRUM
14	YM57-01C00950-UXXXX	95	Class 5	1.60	17.00	990	≤0.206	1000M/DRUM
15	YM57-01C01200-UXXXX	120	Class 5	1.60	19.00	1250	≤0.161	1000M/DRUM
<b>Cable marking</b>		ASH FLEX (size) MM2 CU/PVC FR HR 105°C 600/1000V BS 6231 ASHCABLES KSA						

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