

ASH FLEX WIRES CU/PVC 450/750V

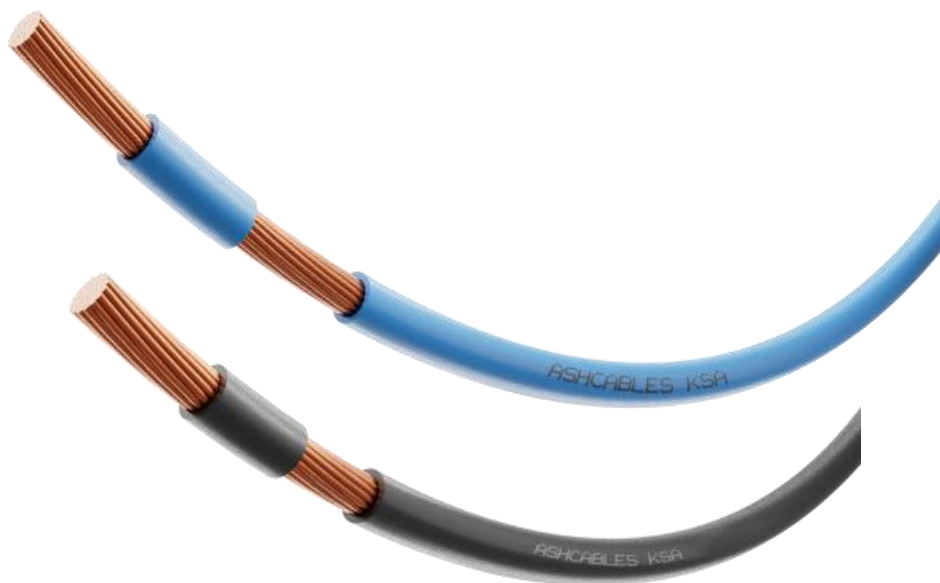
Cable Features:

- Suitable for fixed installations in a conduits, ducts or trunks or similar closed systems. It can be used in/on lighting fittings, switch and control devices, control panels, inside appliances and similar applications.

Reference Standard	IEC 60227-3, BS EN 50525-2-31 H07V-K (70°C) H07V2-K(90°C)
Voltage	450 / 750 V
Temperature range	70°C, 90°C

CONSTRUCTION DETAILS

Conductor	Material	Plain copper conductor to ASTM B3, Flexible (class 5) to BS EN 60228
Insulation	Material	<p>➤ H07V-K(70°C) Extruded Polyvinyl Chloride (PVC) Type TI 1 to BS EN 50363-3 with 70°C temperature rating.</p> <p>➤ H07V2-K(90°C) Extruded Polyvinyl Chloride (PVC) Type TI 3 to BS EN 50363-3 with 90°C temperature rating.</p>
	Color Identification	Any colors (As per customer request)
Printing		Table 1 & Table 2



FLAME BEHAVIOUR & MECHANICAL PROPERTIES

Operating Temperature	70°C / 90°C
Bending Radius	6XCABLE DIA.
Flame Test	IEC 60332-1-2 / BS EN 60332-1

TABLE 1

Polyvinyl Chloride (PVC) 70°C Flame retardant (H07V-K) (450/750V)-FLEXIBLE STRANDED CONDUCTOR

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 ²		mm	mm	Kg/Km	Ω/Km	
1	AN51-01C00150-UXXXX	1.5	Class 5	0.70	3.00	20	≤13.30	100Y/COIL
2	AN51-01C00250-UXXXX	2.5	Class 5	0.80	3.60	33	≤7.98	100Y/COIL
3	AN51-01C00400-UXXXX	4	Class 5	0.80	4.15	48	≤4.95	100Y/COIL
4	AN51-01C00600-UXXXX	6	Class 5	0.80	4.70	69	≤3.30	100Y/COIL
5	AN51-01C00100-UXXXX	10	Class 5	1.00	6.10	115	≤1.91	100Y/COIL
6	AN51-01C00160-UXXXX	16	Class 5	1.00	7.10	173	≤1.21	100Y/COIL
7	AN51-01C00250-UXXXX	25	Class 5	1.20	8.90	266	≤0.780	100Y/COIL
8	AN51-01C00350-UXXXX	35	Class 5	1.20	10.0	365	≤0.554	100Y/COIL
9	AN51-01C00500-UXXXX	50	Class 5	1.40	11.00	475	≤0.386	1000M/DRUM
10	AN51-01C00700-UXXXX	70	Class 5	1.40	12.80	665	≤0.272	1000M/DRUM
11	AN51-01C00950-UXXXX	95	Class 5	1.60	14.80	930	≤0.206	1000M/DRUM
12	AN51-01C01200-UXXXX	120	Class 5	1.60	16.50	1150	≤0.161	1000M/DRUM
13	AN51-01C01200-UXXXX	150	Class 5	1.80	21.70	1575	≤0.159	1000M/DRUM
14	AN51-01C01200-UXXXX	185	Class 5	2.00	23.80	1932	≤0.106	1000M/DRUM
Cable marking		ASH FLEX H07V-K (size) MM2 CU/PVC FR 450/750 V IEC 60227-3, BS EN 50525-2-31 ASHCABLES KSA						

Dimensions and Weights are subject for manufacturing Tolerance.

TABLE 2

(Polyvinyl Chloride (PVC) 90°C Flame retardant (H07V2-K) (450/750V)-FLEXIBLE STRANDED CONDUCTOR

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 ²		mm	mm	Kg/Km	Ω/Km	
1	AN53-01C00150-UXXXX	1.5	Class 5	0.70	3.00	20	≤13.30	100Y/COIL
2	AN53-01C00250-UXXXX	2.5	Class 5	0.80	3.60	33	≤7.98	100Y/COIL
3	AN53-01C00400-UXXXX	4	Class 5	0.80	4.15	48	≤4.95	100Y/COIL
4	AN53-01C00600-UXXXX	6	Class 5	0.80	4.70	69	≤3.30	100Y/COIL
5	AN53-01C00100-UXXXX	10	Class 5	1.00	6.10	115	≤1.91	100Y/COIL
6	AN53-01C00160-UXXXX	16	Class 5	1.00	7.10	173	≤1.21	100Y/COIL
7	AN53-01C00250-UXXXX	25	Class 5	1.20	8.90	266	≤0.780	100Y/COIL
8	AN53-01C00350-UXXXX	35	Class 5	1.20	10.0	365	≤0.554	100Y/COIL
9	AN53-01C00500-UXXXX	50	Class 5	1.40	11.00	475	≤0.386	1000M/DRUM
10	AN53-01C00700-UXXXX	70	Class 5	1.40	12.80	665	≤0.272	1000M/DRUM
11	AN53-01C00950-UXXXX	95	Class 5	1.60	14.80	930	≤0.206	1000M/DRUM
12	AN53-01C01200-UXXXX	120	Class 5	1.60	16.50	1150	≤0.161	1000M/DRUM
13	AN53-01C01500-UXXXX	150	Class 5	1.80	21.70	1578	≤0.159	1000M/DRUM
14	AN53-01C01850-UXXXX	185	Class 5	2.00	23.80	1935	≤0.106	1000M/DRUM
Cable marking		ASH FLEX H07V2-K (size) MM2 CU/PVC HR 90°C 450/750 V IEC 60227-3, BS EN 50525-2-31 ASHCABLES KSA						

Dimensions and Weights are subject for manufacturing Tolerance.