

# ASH SOLID HEAT RESISTANT WIRES

## CU/PVC 105°C 600/1000V

### SINGLE CORE WIRES

#### Cable Features:

- Designed and intended for use in the wiring of lighting fixtures, switch, control, metering, relay and instrument panels of power switchgear, and for such purposes as internal connections.

Cable Range Size	0.50 MM2 TO 1 MM2
Reference Standard	BS 6231
Rated temperature	105°C
Rated voltage	600/1000 V

#### CONSTRUCTION DETAILS

Conductor	Material	Plain or Tinned solid copper conductors to BS EN 60228 Class 1
Insulation	Material	Color-coded Polyvinyl Chloride (PVC) 105°C, Heat and moisture-resistant, Flame Retardant
	Color Identification	Any colors (As per customer request)
Printing		ASH SOLID (size) MM2 CU/PVC HR 105C 600/1000V BS 6231 ASHCABLES KSA (YEAR OF MANUFACTURE) (METER MARKING)

FLAME BEHAVIOUR & MECHANICAL PROPERTIES	
Operating Temperature	105°C
Bending Radius	6XCABLE DIA.
Flame Test	IEC 60332-1-2 / BS EN 60332-1



Table 1  
**DIMENSIONAL DATA**

#### Plain solid copper conductors to BS EN 60228 Class 1

S/N	ASH ITEM CODE	Size		Insulation Thickness (mm)	Approx. Dia. (mm)	Approx. Weight (KG/KM)	Maximum Conductor DC Resistance at 20°C	Suggested Current capacity*	Standard Length
		(MM2)	BS EN 60228 CLASS				Ω/km		
1	AM17-01C00050-UXX1X	0.50	CLASS 1	0.80	2.40	10	≤36.0	4	100/91.4
2	AM17-01C00075-UXX1X	0.75	CLASS 1	0.80	2.60	15	≤24.50	7	100/91.4
3	AM17-01C00100-UXX1X	1.0	CLASS 1	0.80	2.80	20	≤18.10	10	100/91.4

#### Tinned solid copper conductors to BS EN 60228 Class 1

S/N	ASH ITEM CODE	Size		Insulation Thickness (mm)	Approx. Dia. (mm)	Approx. Weight (KG/KM)	Maximum Conductor DC Resistance at 20°C	Suggested Current capacity*	Standard Length
		(MM2)	BS EN 60228 CLASS				Ω/km		
1	AM27-01C00050-UXX1X	0.50	CLASS 1	0.80	2.40	10	≤36.7	4	100/91.4
2	AM27-01C00075-UXX1X	0.75	CLASS 1	0.80	2.60	15	≤24.8	7	100/91.5
3	AM27-01C00100-UXX1X	1.0	CLASS 1	0.80	2.80	20	≤18.2	10	100/91.4

\*Based on ambient temperature of 30°C

Dimensions and Weights are subject for manufacturing Tolerance.