

## ASH NYA WIRES CU/PVC 300/500V SOLID COPPER NON-SHEATED

### Cable Features:

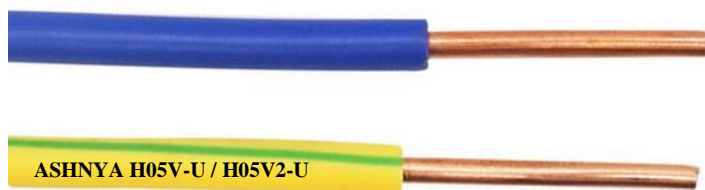
- Suitable for fixed installations in a conduits, ducts or trunks or similar closed systems. It can be used in/on lighting fittings, switch and control devices, control panels, inside appliances and similar applications.

<b>Reference Standard</b>	IEC 60227-3, BS EN 50525-2-31 H05V-U(70°C), H05V2-U(90°C)
<b>Temperature range</b>	70°C, 90°C

### CONSTRUCTION DETAILS

<b>Conductor</b>	<b>Material</b>	Plain copper conductor to ASTM B3, Solid (class 1) to BS EN 60228
<b>Insulation</b>	<b>Material</b>	<p>➤ <b>H05V-U(70°C)</b> Extruded Polyvinyl Chloride (PVC) Type TI 1 to BS EN 50363-3 with 70°C temperature rating.</p> <p>➤ <b>H05V2-U(90°C)</b> Extruded Polyvinyl Chloride (PVC) Type TI 3 to BS EN 50363-3 with 90°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 / 90°C
<b>Bending Radius</b>	6XCABLE DIA.
<b>Flame Test</b>	IEC 60332-1-2 / BS EN 60332-1



**TABLE 1**

#### Polyvinyl Chloride (PVC) 70°C Flame retardant (H05V-U) (300/500V)-SOLID CONDUCTOR-CLASS 1

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
		mm <sup>2</sup>		mm	mm	Kg/Km	Ω/Km	YARDS(Coil) /MTS(Drum)
1	AL11-01C00005-UXXXX	0.5	Class 1	0.60	2.10	10	≤36.0	100Y/COIL
2	AL11-01C00075-UXXXX	0.75	Class 1	0.60	2.30	12	≤24.50	100Y/COIL
3	AL11-01C00100-UXXXX	1.0	Class 1	0.60	2.50	17	≤18.10	100Y/COIL
<b>Cable marking</b>		ASHNYA (size) MM2 CU/PVC FR 70°C H05V-U 300/500V ASHCABLES KSA						

**TABLE 2**

#### Polyvinyl Chloride (PVC) 90°C Flame retardant (H05V2-U) (300/500V) -SOLID CONDUCTOR-CLASS 1

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
		mm <sup>2</sup>		mm	mm	Kg/Km	Ω/Km	YARDS(Coil) /MTS(Drum)
1	AL13-01C00005-UXXXX	0.50	Class 1	0.60	2.10	10	≤36.0	100Y/COIL
2	AL13-01C00075-UXXXX	0.75	Class 1	0.60	2.30	12	≤24.50	100Y/COIL
3	AL13-01C00100-UXXXX	1.00	Class 1	0.60	2.50	17	≤18.10	100Y/COIL
<b>Cable marking</b>		ASHNYA (size) MM2 CU/PVC FR HR 90°C H05V2-U 300/500V ASHCABLES KSA						

Dimensions and Weights are subject for manufacturing Tolerance.