

Hook Up Wire 600V



Eland Product Group: A2U

APPLICATION

For general purpose internal wiring of electronic and electrical equipment, where exposed to oil at a temperature not exceeding 60°C or 80°C. Uniform insulation thickness of wire to ensure easy stripping and cutting. Resistant to acids, alkalis, oils, moisture and fungi.

CHARACTERISTICS

Voltage Rating
600V

Temperature Rating
+105°C

CONSTRUCTION

Conductor
Class 2 Stranded Copper
Class 2 Solid Copper

Insulation
PVC (Polyvinyl Chloride)

Core Identification
● Black ● Blue ● Brown ● Green ● Grey ● Yellow ○ White
● Violet ● Pink

STANDARDS

UL 1007, UL 758, UL1581, CSA C22-2, IEC 60228

Flame propagation: UL VW-1, CSA FT1

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

Stranded Conductor

ELAND PART NO.	AWG SIZE	CONDUCTOR STRANDING	NOMINAL DIAMETER OF CONDUCTOR mm	NOMINAL THICKNESS OF INSULATION mm	NOMINAL DIAMETER OF INSULATION mm
A2U30AWG600V**	30	7/0.1	0.3	0.79	1.88±0.1
A2U28AWG600V**	28	7/0.127	0.38	0.79	1.96±0.1
A2U26AWG600V**	26	7/0.16	0.48	0.79	2.06±0.1
A2U24AWG600V**	24	11/0.16	0.61	0.79	2.19±0.1
A2U22AWG600V**	22	17/0.16	0.76	0.79	2.34±0.1
A2U20AWG600V**	20	26/0.16	0.94	0.79	2.52±0.1
A2U18AWG600V**	18	41/0.16	1.18	0.79	2.76±0.1
A2U16AWG600V**	16	26/0.254	1.49	0.79	3.07±0.1
A2U14AWG600V**	14	41/0.254	1.88	0.79	3.46±0.1
A2U12AWG600V**	12	65/0.254	2.37	0.79	3.95±0.1
A2U10AWG600V**	10	105/0.254	3.4	0.79	4.98±0.1
A2U10AWG600V**	10	49/0.37	3.38	0.79	4.96±0.1
A2U08AWG600V**	8	168/0.254	4.3	1.15	6.6±0.2
A2U06AWG600V**	6	266/0.254	5.46	1.52	8.5±0.2

Solid Conductor

ELAND PART NO.	AWG SIZE	CONDUCTOR STRANDING	NOMINAL DIAMETER OF CONDUCTOR mm	NOMINAL THICKNESS OF INSULATION mm	NOMINAL DIAMETER OF INSULATION mm
A2U28AWG600V**	28	1/0.32	0.32	0.79	1.9±0.1
A2U26AWG600V**	26	1/0.404	0.404	0.79	1.98±0.1
A2U24AWG600V**	24	1/0.511	0.511	0.79	2.09±0.1
A2U22AWG600V**	22	1/0.813	0.643	0.79	2.22±0.1
A2U20AWG600V**	20	1/1.29	0.813	0.79	2.39±0.1
A2U18AWG600V**	18	1/1.024	1.024	0.79	2.6±0.1
A2U16AWG600V**	16	1/1.29	1.29	0.79	2.87±0.1

* Designates the sheath colour. For each Eland Cables part number replace with the colour code as listed below. e.g. A3Y020050BK = 0.5mm² Black

COLOUR CODES

COLOUR	White	Blue	Brown	Green	Grey	Yellow	Violet	Pink	Black
CODE	WH	BL	BR	GN	GR	YW	VI	PK	BK



ELECTRICAL CHARACTERISTICS

Overall Tinned Conductor

ELAND PART NO.	MAXIMUM RESISTANCE AT 20°C ohms/km	MINIMUM INSULATION RESISTANCE AT 20°C ohms/km	DIELECTRIC STRENGTH AC 1MIN V	STANDARD LENGTH Ft(M)
A2U30AWG600V**	354.24	15	1500	2000 (610)
A2U28AWG600V**	223.75	15	1500	2000 (610)
A2U26AWG600V**	136.73	15	1500	2000 (610)
A2U24AWG600V**	93.3	15	1500	2000 (610)
A2U22AWG600V**	55	15	1500	2000 (610)
A2U20AWG600V**	34.6	15	1500	2000 (610)
A2U18AWG600V**	21.8	15	1500	2000 (610)
A2U16AWG600V**	13.7	15	1500	1000 (305)
A2U14AWG600V**	8.62	15	1500	1000 (305)
A2U12AWG600V**	5.43	15	1500	1000 (305)
A2U10AWG600V**	3.41	15	1500	1000 (305)
A2U10AWG600V**	3.41	15	1500	1000 (305)
A2U08AWG600V**	2.16	15	1500	327.86 (100)
A2U06AWG600V**	1.39	15	1500	327.86 (100)

Solid Conductor

ELAND PART NO.	MAXIMUM RESISTANCE AT 20°C ohms/km	MINIMUM INSULATION RESISTANCE AT 20°C ohms/km	DIELECTRIC STRENGTH AC 1MIN V	STANDARD LENGTH Ft(M)
A2U28AWG600V**	227.39	15	1500	2000 (610)
A2U26AWG600V**	142.79	15	1500	2000 (610)
A2U24AWG600V**	89.39	15	1500	2000 (610)
A2U22AWG600V**	54.3	15	1500	2000 (610)
A2U20AWG600V**	33.9	15	1500	2000 (610)
A2U18AWG600V**	21.4	15	1500	2000 (610)
A2U16AWG600V**	13.5	15	1500	2000 (610)

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.