

## H05VVH6-F Elevator Platform Cable



Eland Product Group: A1T

### APPLICATION

Elevator Platform H05VVH6-F Cable is a flat travelling PVC cable used in conveyor and hoist equipment. This cable is suitable for internal and panoramic elevator applications with a freely suspended length up to 45 metres.

### CHARACTERISTICS

**Voltage Rating** Uo/U  
300/500V

**Temperature Rating**  
Flexed: -20°C to +70°C

**Minimum Bending Radius**  
Flexed: 8 x overall diameter

### CONSTRUCTION

**Conductor**  
Class 5 flexible copper conductor

**Insulation**  
PVC (Polyvinyl Chloride)

**Sheath**  
PVC (Polyvinyl Chloride)

**Core Identification**  
● Black with ○ White numbers  
● Green/Yellow earth conductor

**Sheath Colour**  
● Black

### STANDARDS

BS EN 60228, BS EN 50124

Flame Retardant according to BS EN/IEC 60332-1-2



### 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

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL DIAMETER OVER CONDUCTOR mm	NOMINAL THICKNESS OF INSULATION mm	CABLE DIMENSIONS WIDTH mm	NOMINAL WEIGHT kg/km
A1TR060075BK	6	0.75	1.3	0.6	72	118
A1TR120075BK	12	0.75	1.3	0.6	128	227
A1TR180075BK	18	0.75	1.3	0.6	184	336
A1TR200075BK	20	0.75	1.3	0.6	208	376
A1TR240075BK	24	0.75	1.3	0.6	248	450

## CONDUCTORS

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km	
		Plain Wires	Metal-Coated Wires
0.75	0.21	26	26.7

The above table is in accordance with BS EN 60228 (previously BS 6360)

## ELECTRICAL CHARACTERISTICS

### Electrical Properties

Rated Voltage: 0.75 – 1.0mm<sup>2</sup> 300/500V (rms)

Test Voltage: 2kV (rms)/15 minutes

### Mechanical Properties

Free Suspension Length: Maximum 45m

Travelling Height: Maximum 80m

Running Speed: Maximum 6.3m/s