

H05VVH6-F Elevator Platform Cable



Eland Product Group: **A1T**

APPLICATION

Elevator/Platform 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.

CONSTRUCTION

Conductor

Class 5 flexible copper conductor BS EN 60228 (previously BS 6360)

Insulation

PVC (Polyvinyl Chloride) Type T11 according to BS EN 50363

Sheath

PVC (Polyvinyl Chloride) Type TM2 according to BS EN 50363

CABLE STANDARDS

BS EN 50214, BS EN/IEC 60332-1-2



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CHARACTERISTICS

Voltage Rating (U_o/U)

300/500V

Temperature Rating

Flexed: -20°C to +70°C

Minimum Bending Radius

Flexed: 8 x overall diameter

Core Identification

● Black with ○ White numbers ● Green/Yellow earth conductor

Sheath Colour

● Black

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL DIAMETER OVER CONDUCTOR mm	NOMINAL THICKNESS OF INSULATION mm	CABLE DIMENSIONS (THICKNESS x WIDTH) mm	NOMINAL WEIGHT kg/km
A1TR060075BK	6	0.75	1.3	0.6	4 x 18	118
A1TR120075BK	12	0.75	1.3	0.6	4 x 32	227
A1TR180075BK	18	0.75	1.3	0.6	4 x 46	336
A1TR200075BK	20	0.75	1.3	0.6	4 x 52	376
A1TR240075BK	24	0.75	1.3	0.6	4 x 62	450

CONDUCTORS

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

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C	
		Plain Wires ohms/km	Metal-Coated Wires ohms/km
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 – 1.0mm² 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