

Pendant Hoist Control Cable



Eland Product Group: B7H

APPLICATION

Pendant cable for control or feeder applications in lifts and hoists. The two steel load bearing elements can be detached without damaging the outer sheath and fixed independently from the cable gland. Two steel cores run parallel to the outer sheath. Offers high flexibility at lower temperatures. These cables are not suitable for drum reeling installations.

CHARACTERISTICS

Voltage Rating (U₀/U)
300/500V

Temperature Rating
Fixed: -40°C to +70°C
Mobile: -25°C to +70°C

Minimum Bending Radius
Fixed: 10 x Overall Diameter
Mobile: 20 x Overall Diameter

Maximum Tensile Load
15 N/mm²

Maximum Suspended Height
80 meters

Pulling Force
2100 N for each steel core

CONSTRUCTION

Conductor
Class 6 fine flexible stranded plain Copper

Insulation
XLPE (Cross linked polyethylene compound)

Lay Up
Cores laid up in concentric layers

Tape
Textile

Suspension Support
Galvanized steel wire ropes at both sides

Outer Sheath
PVC (Polyvinyl chloride)

Core Identification
● Black cores with white numbers

Sheath Colour
● Black

STANDARDS

IEC 60228, IEC 227, VDE 0295, IEC 60332-1, HD/EN/IEC 60811-2-1, DIN VDE 0473 part 811-2-1, DIN VDE 0298-4

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 is compliant with European Regulation EN 50575, the Construction Products Regulation.



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 ²	NOMINAL OVERALL DIAMETER mm		NOMINAL WEIGHT kg/km
			Minimum	Maximum	
B7HP05050	5	1.5	10.0	20.0	210
B7HP06050	6	1.5	10.3	19.0	255
B7HP08050	8	1.5	12.5	22.0	300
B7HP10050	10	1.5	12.4	21.0	330
B7HP12050	12	1.5	13.0	23.0	350
B7HP14050	14	1.5	13.4	22.0	405
B7HP16050	16	1.5	15.5	25.5	440
B7HP20050	20	1.5	16.5	27.5	525
B7HP24050	24	1.5	19.9	29.5	575