

PUR-HF Lift Trailing Cable



Eland Product Group: B7H

APPLICATION

For use as vertical reeling cable under high mechanical stresses, torsion, tension and torque. Mainly used for Vertical Platform Lift Trailing Cable reeling application. A strength member has been integrated to increase tensile load, acceleration and speed.

CHARACTERISTICS

Voltage Rating (U₀/U)
0.6/1kV

Temperature Rating
Fixed installation: -50°C to +90°C
Mobile operation: -40°C to +90°C

Minimum Bending Radius
Fixed Application: 6 x Overall Diameter
Mobile Applications: 8 x Overall Diameter

Maximum Tensile Load
30 N/mm²

Maximum Torsion
±25°/m

Travel Speed
Festoon Systems: Up to 200m/min
Reeling: Up to 200m/min horiz. / Up to 150m/min vertical

CONSTRUCTION

Conductor
Class 5 or Class 6 flexible stranded plain annealed copper

Insulation
halogen free compound

Lay Up
Central Aramide (Kevlar) strength member, cores laid up in concentric layers

Inner Sheath
PUR-HF (Polyurethane, Halogen Free, flame retardant)

Braiding
Anti-twisting Aramide (Kevlar) yarns

Outer Sheath
Halogen Free, flame retardant Polyurethane compound

Core Identification
4 Core: ● Green/Yellow ● Brown ● Black ● Grey
5 Core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey
From 6 cores: ○ white cores with ● black numbers

Sheath Colour
● Black or ● Yellow or ● Orange

STANDARDS

IEC 60228, DIN VDE 0293-308, IEC 60502 & VDE 0250, DIN VDE 0472-501, 502, 503, 508, DIN VDE 0472-401, 402, 602, 303, 615, DIN VDE 0250-1, IEC 60502, IEC 60332-1 HD/EN/IEC 60811-2-1, DIN VDE 0473-811-2-1

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 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	
B7HL04010**	4	10	17.4	18.9	610
B7HL04016**	4	16	20.0	22.1	852
B7HL04025**	4	25	22.9	25.3	1228
B7HL04035**	4	35	28.5	30.2	1760
B7HL05010**	5	10	18.7	20.5	724
B7HL05016**	5	16	21.7	24.2	1030
B7HL05025**	5	25	30.0	36.0	2570

** designates sheath colour code - OR (Orange) BK (Black) YW (Yellow)