

# 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** (U<sub>0</sub>/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/mm<sup>2</sup>

**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

## THE CABLE LAB<sup>®</sup>

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



## SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: [www.elandcables.com/company/about-us/esg-sustainability](http://www.elandcables.com/company/about-us/esg-sustainability)



## REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/853/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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)