

PUR-C-HF EMC Festoon Cable



Eland Product Group: B7H

APPLICATION

For use as energy and control cable in festoon systems and as a drag chain cable. PUR sheath offers protection against hydrolysis, solvents, alkalines and oils. Copper screen provide protection against electromagnetic effects.

CHARACTERISTICS

Voltage Rating (U_o/U)
0.6/1kV

Temperature Rating
Fixed installation: -50°C to + 80°C
Mobile operation: -40°C to +80°C

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

Maximum Tensile Load
15 N/mm²

Maximum Torsion
±25°/m

Travel Speed
Festoon Systems: Up to 200m/min
Reeling: Up to 60m/min horiz. / Up to 200m/min vertical
Chain Systems: Up to 200m/min vertical

CONSTRUCTION

Conductor
Class 5 flexible stranded Copper

Insulation
Halogen free compound

Lay Up
Central textile strength member, cores laid up in concentric layers

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

Screen
TCWB (Tinned copper wire braid) coverage min. 80%

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

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

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

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECIE 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



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm		NOMINAL WEIGHT kg/km
			Minimum	Maximum	
B7HF040015**	4	1.5	10.8	12.0	232
B7HF040025**	4	2.5	12.1	13.2	248
B7HF040060**	4	6	15.1	16.3	426
B7HF04010**	4	10	18.4	19.6	636
B7HF04016**	4	16	21.2	22.5	932
B7HF04025**	4	25	24.5	26.2	1400
B7HF04035**	4	35	29.6	31.6	1820
B7HF04050**	4	50	35.1	37.6	2510
B7HF050015**	5	1.5	10.9	12.1	260
B7HF050025**	5	2.5	12.8	14.0	268
B7HF050040**	5	4	13.8	15.0	344
B7HF070015**	7	1.5	10.9	12.1	270
B7HF120015**	12	1.5	15.0	16.2	360
B7HF120025**	12	2.5	17.0	18.8	520
B7HF180015**	18	1.5	15.4	17.2	424
B7HF180025**	18	2.5	17.5	19.2	630