

# 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<sub>0</sub>/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/mm<sup>2</sup>

**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<sup>®</sup>

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](http://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<sup>®</sup>.





## DIMENSIONS

| ELAND PART NO. | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA<br>mm <sup>2</sup> | NOMINAL OVERALL DIAMETER<br>mm |         | NOMINAL WEIGHT<br>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                     |