

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

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 | |
| 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 |