Barry D.E.W. Line® Dielectric HEC Longline

Product code : **see product code list**

DESCRIPTION







The Barry D.E.W. (Dielectric Even Wet) Line® is the most advanced helicopter longline available. This insulating longline is designed to be integrated as part of a PCDS, STC (or LSTC) for Human External Cargo (HEC), also known as Class D or Human External Transport System (HETS), for work on AC or DC energized apparatus.

Note: These assembled components do not consist of a complete STC package and their use may be limited by regulations under certain jurisdictions. Barry will work with client's DAR and team in order to assist with additional certification requirements.

Barry has performed cyclic, fatigue and other testing and evaluation in its **Airworthiness Substantiation Analysis** in order to demonstrate compliance with TCCA, FAA and EASA 14 CFR parts 27 and 29 requirements. Barry HEC products are essential components on several approved STCs.

Barry D.E.W. Line ® technology uses proprietary materials which offer unique insulating properties with exceptionally low leakage currents, whether dry or wet.

- **Working Load Limit (WLL):** 1 300 lb (589 kg)
- **Diameter:** 5/8" (16 mm)
- **Colour:** Orange with green terminations
- **Weight:** 31 lb (14.1 kg) for 100' (30 m)
- **Standard lengths:** 50', 75', 100', 125' and 150' (Other lengths available upon request)

System Includes

- Dielectric longline
- Forged steel round ring at top end
- Stainless steel shackle with non-metallic thimble at bottom end
- Permanent ID tag
- Certificate of compliance (COC)
- User instructions manual
- Transport/Storage Bag

Optional / Accessories

- Weighted bottom end-cover for increased load-stability and velocity without load*

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- Custom hardware

* Recommended weighted end-covers

- # LLEC-W25NC-NDR5: 25 lb (11 kg) weighted end-cover for Vne 60 knots without underslung load
- # LLEC-W50NC-NDR5: 50 lb (22 kg) weighted end-cover

TECHNICAL SPECIFICATIONS

10-year service and shelf life
Proof-loaded to 2 x WLL
Supported by Airworthiness Analysis to:
Meets or exceeds the dry or wet electrical requirements of:

Arc-Flash rated

- Resistant to 40 cal/cm^2 (category 4)

Flammability Rating

- Conforms to 14 CFR 25.853 Appendix F

Features

- Unique insulating properties
- Cleanable and easy to maintain and test
- Exceptionally low leakage current, whether dry or wet
- Protection from high fault current
- High strength
- Low elongation
- Lightweight and low volume
- Fully sealed and hydrophobic
- Smooth surface
- High abrasion resistance
- Easy to deploy
- Excellent resistance to UV
- Sealed termination at each end
- Easy storage in optional transport bag

Service and Shelf Life

Max. shelf life	Max. service life	Max. combined life (shelf + service)
10 years	10 years	10 years

Important: Parts are considered on-condition throughout their shelf and service life and must pass inspections and maintenance recommendations as per the manufacturer’s user instructions manual.

PRODUCT CODE LIST (7)

Product code	Length (ft)
BLLNDR-025-H	25 (ft)
BLLNDR-050-H	50 (ft)
BLLNDR-075-H	75 (ft)
BLLNDR-100-H	100 (ft)
BLLNDR-125-H	125 (ft)
BLLNDR-150-H	150 (ft)
BLLNDR-200-H	200 (ft)

PRODUCT PAGE AND REFERENCES

This sheet reflects the data published on the product page on the generation date. For the current version, scan the code or visit:
https://www.barry.ca/products/bllndr-h-barry-d-e-w-line-dielectric-hec-longline

User instructions manual : https://www.barry.ca/pages/instructions-manual-barry-synthetic-helicopter-longlines

Product page

User manual

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