

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



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), in energized fields on high voltage systems (AC or DC).

Note: This longline does not consist of a complete STC package and its use may be subject to regulations limiting its use under certain jurisdictions.

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

System Includes

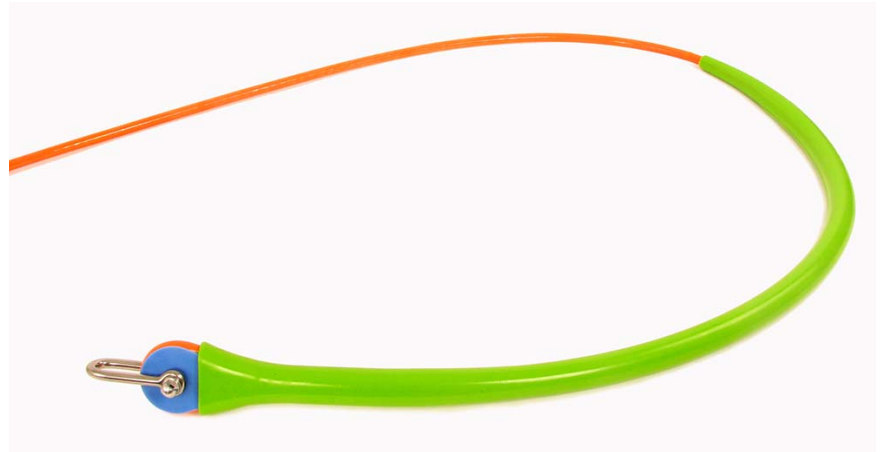
- Dielectric longline
- Forged steel round ring at top end
- Stainless steel shackle with non-metallic thimble at bottom end
- Permanent ID tag
- Certificate of compliance (COC)
- User instructions manual
- Transport/Storage Bag

Optional / Accessories

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

Technical

- 10-year service and shelf life
- Supported by Airworthiness Analysis to FAA CFR Title 14, Parts 27 & 29
- Proof-loaded to 2 x WLL
- Meets or exceeds the dry or wet electrical requirements of:
 - ASTM F1701 – 12
 - IEC 62192:2009
- Arc-Flash rated - Resistant to 40 cal/cm² (category 4)



Stainless steel thimble with round ring at top end



Non-metallic thimble and stainless-steel shackle at bottom end

SPECIFICATIONS

- **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)

Max. shelf life	Max. service life	Max. combined life (shelf + service)
10 years	10 years	10 years
<i>Important: Parts are considered on-condition throughout their shelf & service life and must pass inspections and maintenance recommendations as per the manufacturer's user instructions manual.</i>		

* Recommended weighted end-covers:

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

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