

Why choose BARRY HELICOPTER LONGLINES?

- **Highlights:**

- Field tested and used worldwide since 1995
- 7:1 Safety Factor
- Conforms with USDA Forest Service specifications
ARA Synthetic Rope Longline Requirements
- Possibility of annual recertification and repair

- **Certification:**

- Each longline is subjected to strict in-house quality control measures and is individually serialized and supplied with a certificate of conformance.
- Sub-components are individually certified by their respective manufacturers.

- **Preparation:**

- Material High Modulus Polyethylene (HMPE)
- Hardware Thimbles
- Pear Rings
- Dyneema® SK 75 (12 Strand Braid)
- Heavy Duty Stainless Steel
- Shock Load Indicator
- Permanent ID Markings with unique serial number and manufacturing date
- Crosby® A-341
- ANSI/ASME B30.26
- Proof tested by manufacturer
- Proof-loaded to Working Load Limits to remove mechanical elongation according to the Cordage Institute recommendations.



- **Chemical Resistance:** Excellent

High Modulus Polyethylene (HMPE) - Dyneema® SK 75 (12 Strand Braid)

Chemical Resistance		
Resistance to acids		Excellent
Resistance to alkali		Excellent
Resistance to most materials		Excellent
Resistance to water		Excellent
Aviation Jet A fuel (ISO 1817 test liquid F)	RTCA DO160	Excellent
Hydraulic Fluid (ISO 1817 test liquid 103)	RTCA DO160	Excellent
Lubricating oil (ISO 1817 test liquid 101)	RTCA DO160	Excellent
Solvents and cleaning fluid (Isopropyl alcohol)	RTCA DO160	Excellent
De-icing fluid (Ethylene glycol)	RTCA DO160	Excellent
Insecticide (Pyrethroid pesticide)	RTCA DO160	Excellent
Fire extinguishant (Protein, Fluoroprotein)	RTCA DO160	Excellent

(Reference: Royal DSM N.V. – Dyneema literature)

ADDITIONAL FEATURES

• Electrical cable:	14/3 Ga flexible wire, 105°C to - 50°C, RoHS, 300 v, SJ00W EPDM insulation/CPE jacket; weather, water and oil resistant		
• Customized Assembly:	Customizable with different colours, lengths, hardware, wirings, labeling, and other items subject to approval.		
• Longline Jacket: (3 options)	1- Velcro™ 2- YKK™ – (Quick - Zip) 3- Braided polyester cover with urethane		<ul style="list-style-type: none"> ▪ Easy inspection ▪ Easy wire replacement ▪ Provides extra rope protection from UV, abrasion, dust, and other contaminants ▪ Provides extra heavy duty protection and greater weight
• ID Tags:	Stainless Steel tags with permanent markings Note: Refer to thimble markings for back-up markings of working load limits, serial numbers, and date.		<ul style="list-style-type: none"> ▪ Barry Information ▪ Working Load Limit ▪ Serial Number ▪ Date of Manufacturing ▪ Model Number ▪ Minimum Break Strength
• End Covers:	2 x 1.5m (5') Zippered End-Covers with reflective cinch band → Provides superior abrasion resistance and increased visibility at both ends of the longline and allows for longline movement relative to the jacket		
• Carry Bag:	Cordura® nylon, supplied with a document pocket for LogBook and inspection sheet.		
• Documentation: (Directly available from www.barry.ca)			
	Inspection Dyneema®/Spectra® ropes Helicopter External Load	050614E	January 2008
	Barry Wired Longline Typical uses and Advantages	-	-
	Technical Properties of Synthetic Fibers	080315E	October 2008
	Buyer's Check List for Barry Helicopter External Load Longlines	090522	May 2009

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