



# *MicroTethers*

**Thin & Lightweight**

**Flexible**

**Power & Optics**



# MicroTethers

Servicing the ever expanding security industry, Linden Photonics introduces a line of **MicroTethers** to its product line. Typically small gauge copper and fiber elements are enclosed in a **lightweight** cable designed to provide power and communications to airborne drones or aerostats. Linden can customize your size, weight and strength; from **high-strength** designs intended to provide anchoring for large aerostats in high winds to extremely thin tethers designed for the smallest of drones. Linden's expertise in low density cable jacketing is ideal for this environment. Our cables are compact and rugged; flexible and strong.

## Features

- **Lightweight:** Designs from 0.006lbs/ft (9.0g/m)
- Designs from 100 to 10,000 lbs work load
- 3-channels in 3mm OD
- Designs with or without fiber
- Various power options
- MIL M22759 Tefzel coated wire – up to 1,000V rated
- Braided or extruded jackets

## Advantages

- Highly Flexible
- Thin, lightweight, yet strong
- Reduced cable weight = maximum payload capacity





## Specifications

Spec No.	Part No.	OD (mm)	Fiber Type*	Conductor Type	Weight (lbs/1kft)
<a href="#">LINDEN-SPE-7140</a>	2-CU-1-FO-BB-115-22759	2.9	1 x LINDEN-SPE-7096	2 x 22 AWG	7.0
<a href="#">LINDEN-SPE-7156</a>	2-CU-1-FO-BB-115	2.9	1 x LINDEN-SPE-7034	2 x 24 AWG	6.0
<a href="#">LINDEN-SPE-7157</a>	2-CU-1-FO-BB-120-22759	3.0	1 x LINDEN-SPE-7043	2 x 22 AWG	8.5
<a href="#">LINDEN-SPE-7158</a>	2-CU-1-FO-EE-120-22759-24	3.0	1 x LINDEN-SPE-7096	2 x 24 AWG	7.0
<a href="#">LINDEN-SPE-7185</a>	3-CU-1-FO-O-116-BB-125-22759	3.2	1 x LINDEN-SPE-7096	2 x 22 AWG & 1 x 26 AWG	8.3
<a href="#">LINDEN-SPE-7186</a>	3-CU-1-FO-O-R-116-BB-125-22759	3.2	1 x LINDEN-SPE-7096	2 x 22 AWG & 1 x 26 AWG	9.1
<a href="#">LINDEN-SPE-7187</a>	3-CU-1-FO-O-120-BB-130-22759	3.3	1 x LINDEN-SPE-7096	2 x 20 AWG & 1 x 26 AWG	9.5
<a href="#">LINDEN-SPE-7155</a>	2-CU-1-FO-BB-160-22759	4.0	1 x LINDEN-SPE-7096	2 x 20 AWG	12
<a href="#">LINDEN-SPE-7183</a>	2-CU-2-FO-BB-160-22759	4.0	2 x LINDEN-SPE-7096	2 x 20 AWG	12
<a href="#">LINDEN-SPE-7174</a>	3-CU-1-FO-O-174-Q-254	6.5	1 x LINDEN-SPE-7034	2 x 24 AWG & 1 x 26 AWG	25
<a href="#">LINDEN-SPE-7179</a>	3-CU-1-FO-S-130-O-174-Q-254	6.5	1 x LINDEN-SPE-7034	2 x 24 AWG & 1 x 26 AWG	25
<a href="#">LINDEN-SPE-7109</a>	5-CU-2-FO-O-155-Q-550	13.9	2 x LINDEN-SPE-7034	5 x 16 AWG	138

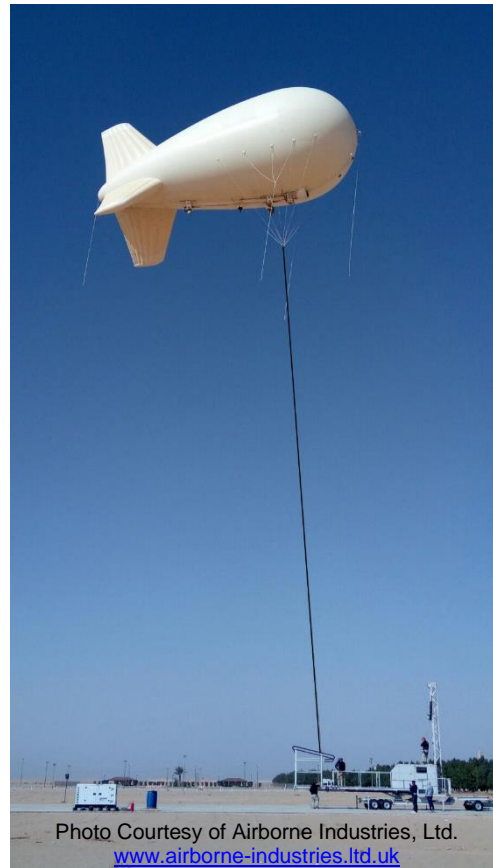
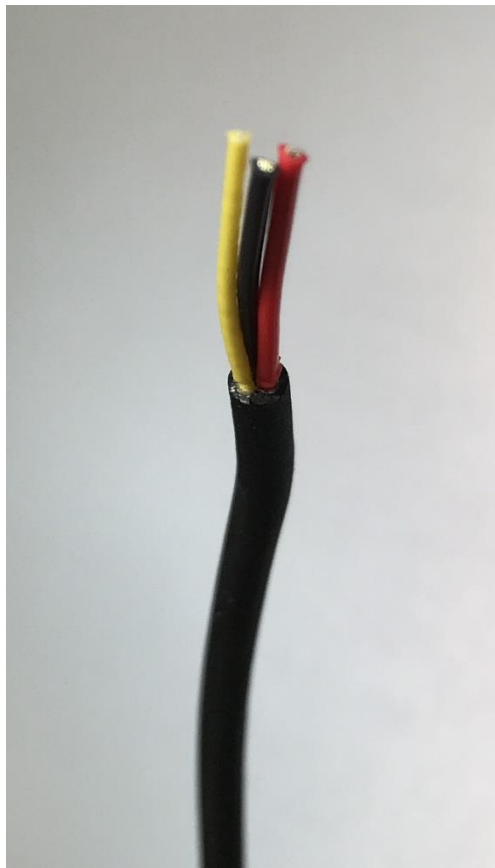
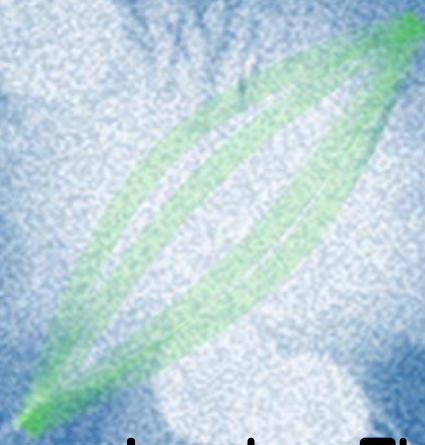


Photo Courtesy of Airborne Industries, Ltd.  
[www.airborne-industries.ltd.uk](http://www.airborne-industries.ltd.uk)

Aerostat Using Linden Tether

CONTACT LINDEN PHOTONICS FOR MORE DRAWINGS, DETAILED SPECIFICATIONS OR  
CUSTOM REQUIREMENTS

\*Fiber types listed are Singlemode



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