



# *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>	1-FO-2-CU-BB-115-22759	2.9	1 x LINDEN-SPE-7096	2 x 22 AWG	7.0
<a href="#">LINDEN-SPE-7156</a>	1-FO-2-CU-BB-115	2.9	1 x LINDEN-SPE-7034	2 x 24 AWG	6.0
<a href="#">LINDEN-SPE-7157</a>	1-FO-2-CU-BB-120-22759	3.0	1 x LINDEN-SPE-7043	2 x 22 AWG	8.5
<a href="#">LINDEN-SPE-7158</a>	1-FO-2-CU-EE-120-22759-24	3.0	1 x LINDEN-SPE-7096	2 x 24 AWG	7.0
<a href="#">LINDEN-SPE-7185</a>	1-FO-3-CU-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>	1-FO-3-CU-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>	1-FO-3-CU-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-7215</a>	1-FO-3-CU-O-125-BB-130-22759M+	3.3	1 x LINDEN-SPE-7096	2 x 20 AWG & 1 x 26 AWG	9.5
<a href="#">LINDEN-SPE-7215</a>	1-FO-3-CU-O-120-O-125-BB-130-22759	3.3	1 x LINDEN-SPE-7096	2 x 20 AWG & 1 x 26 AWG	9.5
<a href="#">LINDEN-SPE-7258</a>	1-FO-3-CU-BB-133	3.4	1 x LINDEN-SPE-7096	2 x 20 AWG & 1 x 26 AWG	12.8
<a href="#">LINDEN-SPE-7287</a>	2-CU-BB-145	3.7	None	2 x 22 AWG TP	10
<a href="#">LINDEN-SPE-7155</a>	1-FO-2-CU-BB-160-22759	4.0	1 x LINDEN-SPE-7096	2 x 20 AWG	12
<a href="#">LINDEN-SPE-7183</a>	2-FO-2-CU-BB-160-22759	4.0	2 x LINDEN-SPE-7096	2 x 20 AWG	12
<a href="#">LINDEN-SPE-7259</a>	1-FO-3-CU-EE-164	4.2	1 x LINDEN-SPE-7096	2 x 20 AWG & 1 x 26 AWG	18.8
<a href="#">LINDEN-SPE-7315</a>	1-FO-4-CU-O-143-R-163	4.2	1 x LINDEN-SPE-7034	2 x 20 AWG & 2 x 28 AWG	16
<a href="#">LINDEN-SPE-7188</a>	6-CU-Q-168	4.3	None	4 x 26 AWG + 2 x 28 AWG	15
<a href="#">LINDEN-SPE-7269</a>	2-CU-EE-174	4.4	None	2 x 24 AWG	10.7
<a href="#">LINDEN-SPE-7181</a>	2-FO-2-CU-EE-180-22759-24	4.6	2 x LINDEN-SPE-7034	2 x 24 AWG	7
<a href="#">LINDEN-SPE-7278</a>	4-CU-T-181-OO-197	5.0	None	4 x 22 AWG	20
<a href="#">LINDEN-SPE-7270</a>	2-CU-EE-253	6.4	None	2 x 24AWG	12.7
<a href="#">LINDEN-SPE-7174</a>	1-FO-3-CU-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>	1-FO-3-CU-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-7232</a>	2-FO-3-CU-S-130-O-191-Q-257	6.5	2 x LINDEN-SPE-7034	2 x 24 AWG & 1 x 26 AWG	26
<a href="#">LINDEN-SPE-7279</a>	6-CU-T-300-OO-316	8.0	None	3 x 24 STP & 3 x 24 TRPL	52
<a href="#">LINDEN-SPE-7289</a>	4-FO-P-140-O-308-OO-349	8.8	4 x LINDEN-SPE-7096	None	57
<a href="#">LINDEN-SPE-7314</a>	2-FO-4-CU-O-320-U-390-BLK	9.9	2 x LINDEN-SPE-7043	4 x 22 AWG	60
<a href="#">LINDEN-SPE-7109</a>	2-FO-5-CU-O-155-Q-550	13.9	2 x LINDEN-SPE-7034	5 x 16 AWG	138



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[www.airborne-industries.ltd.uk](http://www.airborne-industries.ltd.uk)

Aerostat Using Linden Tether

**CONTACT LINDEN FOR DRAWINGS, SPECIFICATIONS OR CUSTOM REQUIREMENTS**

\*Fiber types listed are Singlemode \*Mylar/Aluminum Tape Wrap





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