



MicroTethers

Thin & Lightweight

Flexible

Power & Optics

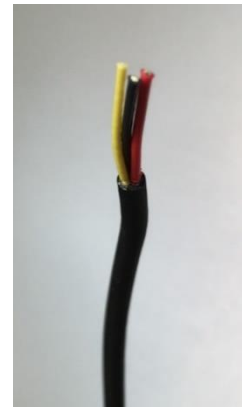


MicroTethers

Expanding upon our well-known subsea cables, 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 0.007lbs/ft (10.4g/m)
- Designs from 100 to 13,000 lbs work load
- 3-channels in 2.9mm 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



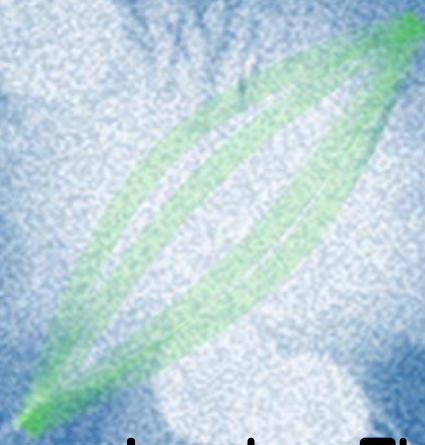


Specifications

Spec No.	Part No.	OD (mm)	Fiber Type*	Conductor Type	Weight (lbs/1kft)
Lightweight - Drones					
LINDEN-SPE-7140	1-FO-2-CU-BB-115-22759	2.9	1 x LINDEN-SPE-7096	2 x 22 AWG	7.0
LINDEN-SPE-7156	1-FO-2-CU-BB-115	2.9	1 x LINDEN-SPE-7034	2 x 24 AWG	6.0
LINDEN-SPE-7157	1-FO-2-CU-BB-120-22759	3.0	1 x LINDEN-SPE-7043	2 x 22 AWG	8.5
LINDEN-SPE-7158	1-FO-2-CU-EE-120-22759-24	3.0	1 x LINDEN-SPE-7096	2 x 24 AWG	8.5
LINDEN-SPE-7185	1-FO-3-CU-O-116-BB-125-22759	3.2	1 x LINDEN-SPE-7096	2 x 22 AWG & 1 x 26 AWG	8.25
LINDEN-SPE-7186	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
LINDEN-SPE-7187	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
LINDEN-SPE-7215	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
LINDEN-SPE-7381	1-FO-4-CU-O-130	3.3	1 x LINDEN-SPE-7096	2 x 20 AWG & 2 x 28 AWG	14.7
LINDEN-SPE-7397	3-CU-PP-110-Q-130	3.3	None	2 x 20 AWG & 1 x 28 AWG	12.5
LINDEN-SPE-7258	1-FO-3-CU-BB-133	3.4	1 x LINDEN-SPE-7096	2 x 20 AWG & 1 x 26 AWG	12.8
LINDEN-SPE-7352	1-FO-2-CU-O-100-Q-140	3.5	1 x LINDEN-SPE-7096	2 x 24 AWG	8.4
LINDEN-SPE-7337	4-CU-O-120-R-140	3.6	None	2 x 24 AWG & 2 x 28 AWG	12
LINDEN-SPE-7335	1-FO-4-CU-BB-1245	3.7	1 x LINDEN-SPE-7034	4 x 24 AWG	10
LINDEN-SPE-7287	2-CU-BB-145	3.7	None	2 x 22 AWG TP	10
LINDEN-SPE-7336	1-FO-4-CU-EE-150-22759-24	3.8	1 x LINDEN-SPE-7096	4 x 24 AWG	12.7
LINDEN-SPE-7343	4-CU-BB-160	4.0	None	2 x 22 AWG & 2 x 26 AWG	10.5
LINDEN-SPE-7382	2-CU-BB-160	4.0	None	2 x 20 AWG	13.5
LINDEN-SPE-7155	1-FO-2-CU-BB-160-22759	4.1	1 x LINDEN-SPE-7096	2 x 20 AWG	12
LINDEN-SPE-7183	2-FO-2-CU-BB-160-22759	4.1	2 x LINDEN-SPE-7096	2 x 20 AWG	12
LINDEN-SPE-7259	1-FO-3-CU-EE-164	4.2	1 x LINDEN-SPE-7096	2 x 20 AWG & 1 x 26 AWG	18.8
LINDEN-SPE-7315	1-FO-4-CU-O-143-R-163	4.2	1 x LINDEN-SPE-7034	2 x 20 AWG & 2 x 28 AWG	16
LINDEN-SPE-7340	2-CU-BB-165	4.2	None	2 x 18 AWG TP	17.5
LINDEN-SPE-7188	6-CU-Q-168	4.3	None	4 x 26 AWG + 2 x 28 AWG	15
LINDEN-SPE-7358	1-FO-2-CU-BB-170-22759	4.3	1 x LINDEN-SPE-7207	2 x 18 AWG	14.5
LINDEN-SPE-7269	2-CU-EE-174	4.4	None	2 x 24 AWG	10.7
LINDEN-SPE-7181	2-FO-2-CU-EE-180-22759-24	4.6	2 x LINDEN-SPE-7034	2 x 24 AWG	7
LINDEN-SPE-7380	2-CU-NN-143-R-183	4.6	None	2 x 20 AWG	16
LINDEN-SPE-7353	1-FO-2-CU-O-137-Q-187	4.75	1 x LINDEN-SPE-7096	2 x 20 AWG	17.5
Spec No.	Part No.	OD (mm)	Fiber Type*	Conductor Type	Weight (lbs/1kft)
Heavy Duty - Aerostat					
LINDEN-SPE-7278	4-CU-T-181-OO-197	5.0	None	4 x 22 AWG	20
LINDEN-SPE-7338	2-SM-2-CU-O-185-BB-205	5.2	1 x LINDEN-SPE-7283	2 x 18AWG	22.5
LINDEN-SPE-7270	2-CU-EE-253	6.4	None	2 x 24AWG	12.7
LINDEN-SPE-7174	1-FO-3-CU-O-174-Q-254	6.5	1 x LINDEN-SPE-7034	2 x 24 AWG & 1 x 26 AWG	25
LINDEN-SPE-7179	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
LINDEN-SPE-7232	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	27
LINDEN-SPE-7279	6-CU-T-300-OO-316	8.0	None	3 x 24 STP & 3 x 24 TRPL	52
LINDEN-SPE-7342	2-CU-O-270-S-330	8.4	None	2 x 12 AWG	67
LINDEN-SPE-7289	4-FO-P-140-O-308-OO-349	8.8	4 x LINDEN-SPE-7096	None	57
LINDEN-SPE-7314	2-FO-4-CU-O-320-U-390-BLK	9.9	2 x LINDEN-SPE-7043	4 x 22 AWG	60
LINDEN-SPE-7323	2-FO-2-CU-S-122-T-425-OO-465	12.4	1 x LINDEN-SPE-7283	2 x 20 AWG	65
LINDEN-SPE-7341	2-FO-2-CU-NN-216-T-422-B-520	13.2	1 X LINDEN-SPE-7283	2 x 16 AWG	94
LINDEN-SPE-7109	2-FO-5-CU-O-155-Q-550	13.9	2 x LINDEN-SPE-7034	5 x 16 AWG	138

CONTACT LINDEN FOR DRAWINGS, SPECIFICATIONS OR CUSTOM REQUIREMENTS

*Fiber types listed are Singlemode



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