THE COMPLETE LIGHTWEIGHT SHIELDED SOLUTION

Levitate® + ARACON®

LIGHTWEIGHT. STRONG. FLEXIBLE.



Ultra-Lightweight Cable

Levitate® Cable Assemblies are engineered to meet the modern demands of both military and commercial RF systems. Offering ultra-lightweight construction with minimal signal loss, these assemblies are the perfect solution for avionics applications on all UAVs ranging from Group 1 - Group 5. With a budget-friendly price and product available in distribution, Levitate cables are built to support critical RF runs both inside and outside the box.

KEY FEATURES

- **Optimized for SWaP-critical** aerospace and defense applications
- **Ultra-lightweight** construction to improve endurance and mission range
- Maintains excellent **RF performance** and **low loss**
- Ideal for **LRU and airframe** routing applications

Braided EMI Shields

For environments where lightweight construction must coexist with uncompromising electromagnetic compatibility, **ARACON® braided EMI shields** from **Micro-Coax** provide the perfect complement to Levitate assemblies. Made from DuPont™ Kevlar® fibers coated in nickel or silver, ARACON shields offer up to 80 % weight reduction compared to copper braids while maintaining exceptional EMI/RFI shielding and lightning protection performance.

KEY FEATURES

- **Reduce weight by up to 80%** compared to traditional copper braid
- **Excellent EMI/RFI** attenuation and lightning protection
- **Built for flexibility and longevity** - tested to withstand 50,000+ flex cycles over a 180-degree arc
- Cuts and installs easily with standard tools — **no specialized handling required**

TIMES MICROWAVE SYSTEMS
AN AMPHENOL COMPANY

MICRO-COAX
AN AMPHENOL COMPANY

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Pairing **Levitate's ultra-lightweight coaxial assemblies** with **ARACON's advanced braided shields** creates a next-generation solution for mission-critical systems that demand both high RF performance and exceptional EMI control. Together, they deliver:

Superior weight savings
optimize flight performance and endurance

Comprehensive EMI protection
minimize interference and improve signal reliability

Enhanced flexibility and durability
ideal for dynamic, vibration-intense environments

Trusted aerospace heritage
from UAV systems to defense and space platforms.



Levitate PN	Nominal Diameter (Inches)	ARACON PN	Diameter Range (Inches)
LVT047	0.061	BXN0200E/00-100/0-0062-1	0.045 - 0.085
LVT086	0.105	BXN0400E/00-100/0-0125-1	0.090 - 0.150
LVT141	0.159	BXN0400E/00-100/0-0250-1	0.125 - 0.312
LVT157	0.157	BXN0400E/00-100/0-0250-1	0.125 - 0.312
LVT196	0.196	BXN0400E/00-100/0-0250-1	0.125 - 0.312

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