



Exploring the Innovative Features
of Mobiyu's Coaxial Cable Assemblies



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In the realm of RF and Microwave applications, the importance of **high-quality coaxial cable assemblies** cannot be overstated. These crucial components are the lifelines of signal transmission, ensuring the integrity and reliability of communication systems. Today, we delve into the cutting-edge offerings from Mobiyu, a Korean manufacturer renowned for its high-quality and cost-effective coaxial cable assemblies. Let’s explore the key specifications and features of three specific products: the PSC18SL w/Slim Body Connector, the RG405 SMP Long Neck Right Angle Cable Assembly, and the PSC18UL Ultra Low Loss Cable.

PSC18SL w/Slim Body Connector

The **PSC18SL** stands out with its slim body connector, designed for applications where space is at a premium. This low loss, phase-stable, and flexible cable is ideal for switch boxes and test equipment with limited or narrow connecting spaces. The narrow connector body neck sets it apart from other phase-stable cables, offering a sleek and efficient solution. Customization options for cable length and connectors further enhance its versatility, making it a top choice for engineers seeking precision and compactness.



Key Specifications:

Frequency Range:	DC to 18 GHz
Phase Stability:	10 degrees at 18 GHz
Insertion Loss:	0.381 dB/ft at 18 GHz
Flexibility:	30mm minimum bend radius
Connector:	SMA, slimmer than standard for high-density applications

RG405 SMP Long Neck Right Angle Cable Assembly

Specialized test equipment, such as semiconductor test jigs, demands unique solutions like the **RG405 SMP Long Neck Right Angle Cable**. This assembly features an SMP right-angle connector with a long neck, specifically designed to fit into intricate test setups. Coupled with an extremely flexible (6mm minimum bend radius) double-shielded cable, this assembly can be used in the tightest of spaces. Its precision engineering ensures reliable connectivity in applications where standard connectors fall short.



Key Specifications:

Frequency Range:	DC to 18 GHz
Phase Stability:	10 degrees at 18 GHz
Insertion Loss:	1.13 dB/ft at 18 GHz
Flexibility:	6mm minimum bend radius
Connector:	SMP Right Angle with Long Neck

PSC18UL Ultra Low Loss Cable

For applications requiring long cable runs without compromising signal integrity, the **PSC18UL** is the go-to solution. This low loss double-shielded cable boasts exceptional phase stability and an impressive attenuation level of just 0.21dB/foot@18GHz. Whether it's for telecommunications, aerospace, or test and measurement setups, the PSC18UL ensures that your signals go the distance with minimal loss.

Key Specifications:

Frequency Range:	DC to 18 GHz
Attenuation:	0.21dB/foot@18GHz
Phase Stability:	8 degrees @ 18 GHz
Flexibility:	30mm minimum bend radius
Connector:	SMA/N/TNC are standard, ask about other options

Mobiyu's coaxial cable assemblies are a testament to the company's commitment to quality, innovation, and value. The products listed above each offer distinct advantages for various applications, from space-constrained environments to long-distance signal transmission. As the demand for reliable and efficient RF and Microwave solutions continues to grow, Mobiyu's products stand ready to meet the challenge, ensuring optimal performance in even the most demanding scenarios.

[Contact CDI](#) to learn more or request a quotation.

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1. Ewave
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