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SAC-215

3 Meter Precision RF Cable Assemblies

up to 12.4 GHz

Precision RF cable assembly to meet the needs of any test lab.



Frequency Range: DC – 12.4 GHz

Attenuation: 0.476 dB per meter @ 1 GHz

Impedance: 50 ohms

Capacitance: 30.8 pF/ft (101 pF/m)

Velocity: 66%

Max Power @ 1 GHz: 95 watts @ 1 GHz

Standard connectors: N-type, male

Standard Cable Length: 3 Meter (custom lengths made upon request)

Physical Dimensions

Cable size (O.D.): 0.212" (5.38mm)

Minimum bend radius: 1 in. (25.4mm)

Temp Range -40° to +80° C

High-performance RF setups shouldn't always require a cable the size of a garden hose. When you need the elite shielding of a silver-plated double braid but have limited space or require more flexibility, the RG-223 is your go-to solution. Think of it as the surgical scalpel to the RG-214's sledgehammer: precise, agile, and exceptionally clean.

Why the RG-223 Assembly?

While standard RG-58 might be the "budget" choice, the RG-223 is the "performance" choice. It shares the same footprint as common thin-profile cables but upgrades the internals to meet professional standards for lab testing, instrumentation, and telecommunications.

- **Double Silver Shielding:** Unlike single-braid cables, the RG-223 features two layers of silver-plated copper braiding. This provides superior RF isolation and significantly lower leakage.
- **Enhanced Conductivity:** Silver plating on both the braids and the center conductor reduces attenuation and prevents oxidation, extending the life of your assembly.
- **N-Type Reliability:** We terminate these cables with precision-grade N-type connectors, offering a robust, weatherproof, and low-VSWR connection that excels up to 12.4 GHz.
- **Flexible Footprint:** With a smaller outer diameter than RG-214, it's the ideal choice for tight enclosures, rack wiring, and portable test kits where bend radius matters.

Standard Length for all cables is 3 meters. Longer cables can be ordered (specify "-x" with the length in meters after the model number, e.g., SAC- 215-6 = 6 meters). Please call us and discuss your needs with one of our design engineers.

Information presented in this datasheet was current at the time of publication. A.H. Systems continual product improvement makes it necessary to reserve the right to change our electrical and mechanical specifications without notice.

A.H. Systems



EMC Antennas and more

