

## SRX Low PIM Cable Assemblies Line



San-tron has introduced its new line of SRX cable assemblies for low PIM requirements. The SRX line is an engineered suite of low PIM cable assemblies designed to support system integrators. Several different deployment scenarios encompassing cabinet integration, short cable runs or jumper applications, long haul cable runs, indoor use, outdoor use, riser, and plenum environments, have been accommodated for and include interconnect options for SMA, N, 7/16, and TNC mating.

For in-cabinet and plenum-rated deployments, low PIM SRX cable assemblies are created with flexible-141, conformable-141, and semi-rigid RG-402 cable. The flexible solutions support plenum-rated deployments to 150 W at 2.5 GHz and exhibit attenuation of 22 dB per 100 ft., offering a bend radius of 0.2 in. They can handle operating temperatures to +125°C and have been characterized with typical PIM levels of better than -157 dBc.

For short runs and jumper applications, San-tron has developed a unique solution for clamp-type terminations to braided, flexible coaxial cables. Based on TCOM-240™ cable, these assemblies support power levels to 160 W at 2.5 GHz with attenuation of 13 dB per 100 ft. and offer a bend radius of 2.5 in. These assemblies handle operating temperatures to +85°C and deliver PIM performance of -155 dBc. Performance is also stable with vibration within a 2 dB window. For flame-retardant requirements, SRX assemblies employ TCOM-240-FR cables, while for plenum-rated installations, assemblies feature SFT-205™ cables with a temperature rating to +165°C.

For long-haul run deployments requiring robust, low-loss performance, San-tron has developed a coaxial technique that exhibits extremely low and stable PIM levels while allowing for continuous bending and flexure. With TCOM-400 cable, these assemblies support power levels to 310 W at 2.5 GHz with low attenuation of 7 dB per 100 ft. while offering a bend radius of 4 in. These assemblies, which are rated to

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operating temperatures to +85°C, exhibit PIM performance of -155 dBc. These are also stable with vibration within a 2 dB window. For flame-retardant requirements, SRX assemblies employ TCOM-400-FR cables, while for plenum-rated installations they feature SFT-393 cables with a temperature rating to +165°C.

For more information on SRX low PIM cable assemblies and a free white paper on the causes and solutions to PIM, visit: <http://www.santron.com/PIM-Cable-Assemblies.cfm> [1]

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[1] <http://www.santron.com/PIM-Cable-Assemblies.cfm>