



Amphe-OBTS

BACKGROUND

With over 3 million installations on cell towers around the world, the Amphenol BTS has proven to be the go to connector for reliability in outdoor harsh environments for remote radio power. Amphenol has developed the "Optimized" OBTS connector system to meet the needs of next generation, high performance remote radio power connections.

PROBLEM

More powerful and higher speed networks require improved electrical performance without sacrificing reliability. Global competition demands improved performance at a lower cost. Crowded installations on towers require compact designs. On site and tower installations require easy field termination with standard tools and fail-safe mating and un-mating. Proper agency approvals - EMI resistant - Corrosion resistance according to ISO 21207 Method B 5 cycles - Fire resistant to UL94-V0 - are all standard.

AIPG SOLUTION

Amphenol Industrial has developed the Amphe-OBTS to meet the requirements set forth for the next generation of base stations. Backwards compatible and intermateable with the original BTS, the Optimized OBTS has higher current carrying capacity and improved passive intermodulation performance (PIM). The OBTS maintains the same reliable field termination in a package that is 30% lighter weight. The bayonet locking mechanism, assures vibration and shock resistance, and is now available in a composite material for improved PIM, lighter weight and improved cost. The Amphe-OBTS provides 360 degree EMI shielding and corrosion resistance. 2-way 48V DC power, reverse gender 2-way 48V DC and 3-way 400VDC/250V AC connector are all available now in the new OBTS format. Contact Amphenol for more product details.

