



THE PATHWAY TO
CLASSIFIED NETWORKS™

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ENGINEERING BULLETIN

12 Gauge Secure Enclosure Recommendations

As of September 2015, The NSTSSI 7003 was superseded as the document which governs the design, installation, and operation of a Protective Distribution System (PDS) by the CNSSI 7003.

Section VIII – General PDS Installation Guidance, paragraph 25 of the CNSSI 7003 states: “For a medium threat area, pull boxes must be constructed of a ferrous metal with a minimum thickness of 14 gauge and must have a cover that can be locked. “However, the material need not be thicker than the PDS carrier or the thickness needed for box rigidity.”

The SLC, SDS, SMC, and most SMD product line parts are all made of 16 gauge sheet steel; therefore the 16 gauge enclosures, which are lighter in weight than 12 gauge enclosures, should be used for all projects utilizing these components. The 16 gauge enclosure will save on shipping weight charges as well as installation time as compared to the 12 gauge enclosures.

The implication of this new regulatory stipulation is that persons designing Protective Distribution Systems using Holocom’s Secure Raceway need not utilize the 12 gauge enclosures unless they want to.

For installations where Holocom Secure Raceway is not being used, the wall thickness of the steel carrier and the designated threat area should be considered when selecting the gauge of enclosure to use.

Additionally, the above considerations do not take into account a solution using the various alarmed fiber methods.

Please contact Holocom for further questions, clarifications, or assistance in choosing the recommended solution for your project.