

# *Formula for the OD of standard Litz Wire Configurations*

To be used as a guideline only.

## Calculation for OD of Standard Litz Wire Configurations

$$OD = \text{SQRT}(n) \times DZ \times K$$

Where:

DZ	Overall Diameter of 1 strand in inches
n	Number of Strands
K	1.155 (compacting factor constant)

Example: What is the OD of a 25/44 SPN Unserved Litz Wire?

1)  $OD = \text{SQRT}(25) \times 0.0022''$  (44 Single Build Diameter)  $\times 1.155$

2)  $OD = 5 \times 0.0022' \times 1.155$

3)  $OD = 0.0127''$  (Estimated Nominal OD)

For Single Served Add 0.002'' to your result

To Account for yarn thickness for Double Served, Add 0.004'' to your result

\*OD for Single Strand can be found on [Our Website](#)