

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](#)