

CABLE DESIGN FORMULAS

<p>PERCENT OF SHIELD COVERAGE Percent coverage = $(2F-F^2) \times 100$ $F = NPd/\sin a$ N= Number of ends (strands) per carrier P= Picks per inch D= Diameter over dielectric core in inches d= Diameter of shielding strand in inches a= The smaller of the two angles between the longitudinal axis of the cable and the lay of the braid C= Number of carriers (groups of ends around the diameter of the cable) in a 'two over' two under' woven basket weave $\tan a = 2TT (D + 2d) / P/C$</p>																																																																											
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