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waveguide made of low-
loss materials such as
silica glass. It has a
central core in which the

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$$V = \frac{2\pi d}{\lambda} \sqrt{\mu_1^2 - \mu_2^2} = 2.4$$
 Where , d = fiber core diameter ; λ = wavelength of light
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number = 8 Nearest
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Number of atoms per
unit cell = $v = 1$ Volume of
all atoms in unit cell = $v = 2 \times \frac{4}{3} \pi r^3$
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from which metal wires
suffer excessively.

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