

The effective resistance of a parallel connection that consists of four wires of equal length, equal area of cross-section and same material is $0.25\ \Omega$. What will be the effective resistance if they are connected in series ?

- (1) $0.25\ \Omega$
- (2) $0.5\ \Omega$
- (3) $1\ \Omega$
- (4) $4\ \Omega$