

## 50-Micron Gold Plating

**Bestlink Networkware uses only the highest rated 50-micron gold plated contact pins on all our Ethernet Patch Cords, RJ45 Plugs, and RJ45 Jacks.**



The contact pins of RJ45 plugs used for Ethernet patch cables are gold plated to maintain optimum conductivity with RJ45 jacks (receptacle on the wall). There are several kinds of gold plating thickness available in the market. The lowest grade plating is called flash gold with the thickness at a mere 3 to 6-micron. The highest plating is 50-micron.



The difference the thickness makes is in the aging of the contact pins. The contacts of RJ45 plugs and jacks are exposed to moisture in the air that causes corrosion on metal surfaces. Gold is well-known as a high-conductive and non-corrosive material. Thicker gold plating better protects contact material from corrosion (thus maintaining stable Ethernet connection speed) for longer years. Especially when installing patch cables in high-humidity or unclean air environments, 50-micron gold plated plugs and jacks are recommended.