

Solid Conductor Vs. Stranded Conductor Cable Types for Cat 5 and Cat 6

Solid-conductor cable is designed for backbone and horizontal cable runs. Use it for runs between two wiring closets or from the wiring closet to a wallplate. Solid cable shouldn't be bent, flexed, or twisted repeatedly. Its attenuation is lower than that of stranded-conductor cable.

Stranded cable is for use in shorter runs between network interface cards (NICs) and wallplates or between concentrators and patch panels, hubs, and other rack mounted equipment. Stranded-conductor cable is much more flexible than solid-core cable. However, attenuation is higher in stranded-conductor cable, so the total length of stranded cable in your system should be kept to a minimum to reduce signal degradation.

The information on this page is an original copyrighted article. We welcome you to link this page from your website. However, copying this article in whole or in part is strictly prohibited.

Disclaimer: We have provided this article as general installation advice to our customers. We make no claims about the completeness or the accuracy of the information as it may apply to an infinite amount of field conditions. It is the responsibility of the person or persons using this information to check with all concerned parties, owners and local authorities, etc. before doing an installation. Users of this information agree to hold Atcom Inc. harmless from liabilities of any kind relating to the use of this information.