

Temperature Effect on Twisted Pair Communication Channel

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Summary

The importance of Twisted Pair Wires cannot be underestimated. They are being used in ADSL, telephone, and Ethernet networks. In this paper, we study the twisted pair wire under the variation of temperature which is an important factor especially in Saudi Arabia. In addition, experiments on length and frequency are performed to see their effects on twisted pair. The parameters of the twisted pair wire are measured using LCR meter and XDSL tester for measuring the rate and attenuation of the twisted wires. Also, network analyzer is used for frequency characterization.