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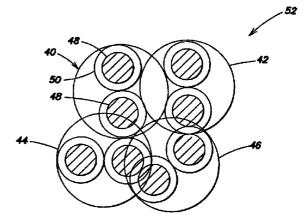
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- Abstract Title: A multi-pair communication cable using different twist lay lengths and pair proximity control
- (57) A multi-pair cable including four twisted pairs of insulated conductors each having a respective unique twist lay length, thereby providing six twist deltas between the twist lay lengths of the four twisted pairs, wherein at least five of the six twist deltas are greater than 15%. Alternatively, a multi-pair cable including a first twisted pair of conductors having a first twist lay length, and a second twisted pair of conductors having a second twist lay length that is shorter than the first twist lay length, wherein the first and second twisted pairs of conductors are in physical contact with one another along substantially an entire length of the multi-pair cable, and wherein a difference between the first twist lay length and the second twist lay length is at least 15% of the second twist lay length.



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