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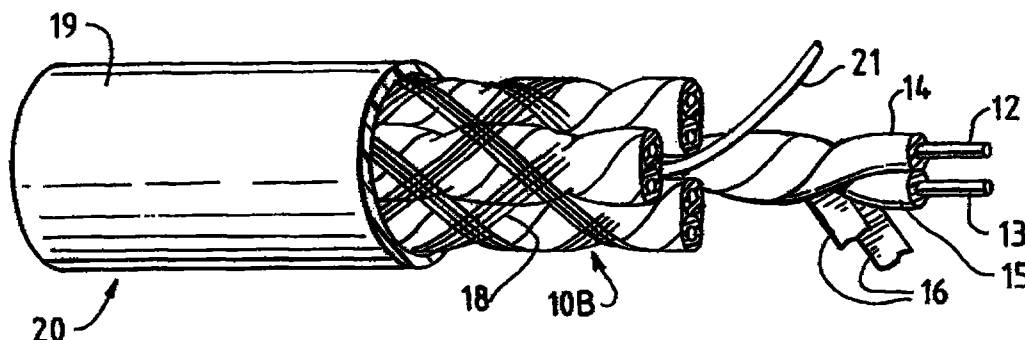
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(54) Title: HIGH PERFORMANCE DATA CABLE



(57) Abstract: An improved high performance twisted pair data cable (20) that has an impedance standard deviation of less than 3.5 when the standard deviation is calculated around an average impedance of 50 to 200 ohms and preferably 90 to 110 ohms. The twisted pair is helically wrapped with a metal shield tape (16) at a tension that provides a cross-sectional void of less than 25 % and preferably less than 18 % of the cross-sectional area of the shielded twisted pair cable. The tape is helically wrapped with an overlap of 30-45 % and at an angle of 35-45 degrees with respect to the longitudinal axis of the cable. The cable has a rating up to 600 MHz.

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