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The utility model discloses a data cable, including: a braided layer, within which coaxial cables are arranged. There are two coaxial cables, placed on either side of a reference line, and they are in close contact with each other at the reference line, thus changing the traditional structure of three coaxial cables. An electronic wire is used to replace one of the coaxial cables originally serving as a power cable, reducing costs and lowering the difficulty of processing the wires. On either side of the reference line, two light cables are arranged, which are also in close contact with each other at the reference line. The light cables are further placed in close contact with one side of the coaxial cables, while the opposite side of the coaxial cables is in contact with the electronic wire, which is used to deliver electrical power. There is one electronic wire, and one of its symmetry axes coincides with the reference line. Thus, the overall structure formed by the light cables, coaxial cables, and electronic wire is symmetric about the reference line, making production easier. The new structure reduces the outer diameter of the endoscope data cable by 0.024mm while maintaining the same transmission performance.

