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Explain how data is represented with different types of network cable.

Well, the video didn't directly say how data is represented with different types of network cable, but he did mention something about twisted pair copper cables, and the way data is presented is by sending electrical signals through copper wires. If the wires are not terminated properly (as shown with the cable test), the data won't transmit properly. Other examples of network cables are the coaxial cable and fiber optic cable. The way data is presented with coaxial cable is also through the use of electrical signals, but this time it uses shielding to make sure it is resistant to interference. The fiber optic cable represents data by using light pulses instead of electrical signals. This is just basically binary code, meaning it uses 1s and 0s to present its data, so a light means 1 and no light means 0. This allows much higher speeds and longer distances than copper because light travels cleaner and with less interference than electricity in copper wires.