How many wires are connected in a communication optical cable

Overview

This cable consists of color-coded pairs of insulated copper wires. Every two wires are twisted around each other to form pair. Solid colors are blue, brown, green, and orange. Another layer of glass, called cladding, surrounds and protects the core. The cladding has a lower refractive index than the core, creating a reflection that causes light waves to travel the. These cables are used mainly for digital audio connections between devices. A fiber-optic cable, also known as an optical-fiber cable, is an assembly similar to an electrical cable but containing one or more optical fibers that are used to carry light. The optical fiber elements are typically. The number of optical cores in an optical fiber is the total number of equipment interfaces multiplied by 2, plus 10% to 20% of the spare quantity, and if the communication mode of the equipment has serial communication and equipment multiplexing, you can reduce the number of cores.

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How to determine the number of cores required when using fiber optic?

Generally speaking, the number of optical cores in an optical fiber is the total number of device interfaces multiplied by 2, plus 10% to 20% of the spare number.

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