Optical Cable â€“ a Superfast Way of Transmitting Signals. By Powercables

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Technology surprises us with lot of innovations and we get startled with their miraculous inventions. Revolutions in technology bring about a total change to our living pattern. We are smitten by the innovations of technology that has made our life enormous fast. Internet being one such gift of technology which is necessary to all .Nevertheless technology keeps evolving itself and comes up with pleasant surprise that brings ease to our life. The inhuman deadlines in our life (e-mails and phone calls to return, work statuses to be achieved, people to meet, and papers to write)compel us to adapt to time constraints rather than change it. This calls for a faster mode of surfing the internet in which the fiber optic based infrastructure primarily uses optical cable. Besides offering significant increase in connection speed, fiber optic networks offer a tremendous capacity to keep up with any new technological advances.

If we look at the features of an optical cable it is a cable containing many cables. The optical fiber elements are coated with plastic layers and contained in a protective tube suitable for the environment where the cable will be deployed. It is used to transmit signals at very fast speed. It is usually made of glass that is long lasting and even stronger than copper and more able to retain its transmission properties after physical stress such as weight strain, or even attack by insects. The fiber that is installed in optical cable is different from copper: in good quality coatings, inside ducts, or in the case of newer systems, encased entirely by electrical transmission wires.

Contrary to an optical cable used in relaying a data a wireless mode of data transfer can be used but the reason behind that we prefer to use an optical cable is that there is no loss of data and much more data can be encoded and sent via an optical cable That's not to say that wireless solutions are poor, rather they have a place that complements the offerings of fiber optical systems.

A form of optical cable is HDMI (High-Definition Multimedia Interface) that is a compact audio/video interface for transmitting uncompressed digital data. Coming in a variety of different types they are meant to bring sophistication to the world of technology like radio frequency (RF), coaxial cable, composite video, S-Video, SCART, component video, D-Terminal, and VGA. Technical development blesses us with pleasurable surprises that bring comfort to our lives.

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