

Communications Cable Standards Electronics Cable

Cable television in the United States By 1989, 53 million American households received cable television subscriptions, with 60 percent of all U. reside in the suburbs and tend to be middle class; cable television is less common in low income, urban, and rural areas. According to reports released by the Federal Communications Commission, traditional cable television subscriptions in the US peaked around the Cable television first became available in the United States in 1948. households doing so in 1992. S. Most cable viewers in the U. areas. S c6de2df087

Subsequent generations of cables carried telephone... c6de2df087

Ribbon cable Its name comes from its resemblance to a piece of ribbon. As a result, the cable is wide and flat. for ribbon cable include BT224 connector - also defined by BS9525-F0023, DIN41651, MIL-C-83503 standards; these are the type used on ATA cables and are often A ribbon cable is a cable with many conducting wires running parallel to each other on the same flat plane c6de2df087

According to reports released by the Federal Communications Commission, traditional cable television subscriptions in the US peaked around the year 2000, at 68.5 million total subscriptions. Since then, cable subscriptions have been in slow decline, dropping to 54.4 million subscribers by December 2013. Some telephone service providers have started offering television, reaching to 11.3 million video subscribers as of December 2013. c6de2df087 When the distances involved are very short, the term signal cable may be used, for analog or digital communication. A data cable is used in digital data communications. Data cabling must conform to certain standards and best practices to ensure reliable performance and safety. When the distance between the transmitter and receiver is very far, an unguided or wireless medium transmission may be used, based on... c6de2df087 In a broader context, CableCARD refers to a set of technologies created by the United States cable television industry to allow devices from non-cable companies to access content on the cable networks. Some technologies not only refer to the physical card, but also to a device ("Host") that uses the card. Some CableCARD technologies can be used with devices that have no physical CableCARD. c6de2df087 The CableCARD was the outcome... c6de2df087 A 2021... c6de2df087

Transatlantic telegraph cable Transatlantic telegraph cables were undersea cables running under the Atlantic Ocean for telegraph communications. Telegraphy is a largely obsolete form of communication, and the cables have long since been decommissioned, but telephone and data are still carried on other transatlantic telecommunications cables

The Atlantic Telegraph Company led by Cyrus West Field constructed the first transatlantic telegraph cable. The project began in 1854 with the first cable laid from Valentia Island off the west coast of Ireland to Bay of Bulls, Trinity Bay, Newfoundland. The first communications occurred on August 16, 1858, but the line speed was poor. The first official telegram to pass between two continents that day was a letter of congratulations from Queen Victoria of the United Kingdom to... Ribbon cables are usually seen for internal peripherals in computers, such as hard drives, CD drives and floppy drives. On some older computer systems (such as the BBC Micro and Apple II) they were used for external connections as well. The ribbon-like shape interferes with computer cooling by disrupting airflow within the case and also makes the cables awkward to handle, especially when there are a lot of them; as a result, round cables have almost entirely replaced ribbon cables for external connections and are increasingly being used internally as well. Submarine cables first connected all the world's continents (except Antarctica) when Java was connected to Darwin, Northern Territory, Australia, in 1871 in anticipation of the completion of the Australian Overland Telegraph Line in 1872 connecting to Adelaide, South Australia and thence to the rest of Australia.

Cable television A cable television is a system of delivering television programming to consumers via radio frequency (RF) signals transmitted through coaxial cables, or in more recent systems, light pulses through fibre-optic cables. Analog television was standard in the 20th century, but since the 2000s, cable systems have been upgraded to digital cable operation. cables. FM radio programming, high-speed Internet, telephone services, and similar non-television services may also be provided through these cables. This contrasts with broadcast television, in which the television signal is transmitted over-the-air by radio waves and received by a television antenna, or satellite television, in which the television signal is transmitted over-the-air by radio waves from a communications satellite and received by a satellite dish on the roof. Analog television was standard in the 20th century, but since the 2000s, cable systems have been upgraded to digital

Telecommunications cable Types of telecommunications cable include: electrical cables when electric current is carried; transmission lines and waveguides when electromagnetic waves are transmitted; optical fibers when light

signals are transmitted. Telecommunications are based on transmitting and receiving modulated waves/signals through a medium. USB cable Networking cable Structured cabling Submarine communications cables Telecommunications power cable Wired communication Overhead cable Open Telecommunications cable is a type of guided transmission medium c6de2df087

Category 6 cable The cable standard specifies Category 6 cable (Cat 6) is a standardized twisted pair cable for Ethernet and other network physical layers that is backward compatible with the Category 5/5e and Category 3 cable standards. Category 3 cable standards. Cat 6 must meet more stringent specifications for crosstalk and system noise than Cat 5 and Cat 5e c6de2df087

Category 5 cable variant commonly in use is the Category 5e specification (Cat 5e). Since 2001, the variant commonly in use is the Category 5e specification (Cat 5e). 5GBASE-T but more commonly runs at 1000BASE-T (Gigabit Ethernet) speeds. The cable standard provides performance of up to 100 MHz and is suitable for most varieties Category 5 cable (Cat 5) is a twisted pair cable for computer networks. Cat 5 is also used to carry other signals such as telephone and video. The cable standard provides performance of up to 100 MHz and is suitable for most varieties of Ethernet over twisted pair up to 2 c6de2df087

CableCARD The FCC was charged with working with CableCARD is a special-use PC Card device that allows consumers in the United States to view and record digital cable television channels on digital video recorders, personal computers and television sets on equipment such as a set-top box not provided by a cable television company. wider choices due to competition between consumer electronics (CE) manufacturers unaffiliated with cable companies. The card is usually provided by the local cable operator, typically for a nominal monthly fee c6de2df087

OpenCable Application Platform The OpenCable Application Platform, or OCAP, is an operating system layer designed for consumer electronics that connect to a cable television system The OpenCable Application Platform, or OCAP, is an operating system layer designed for consumer electronics that connect to a cable television system, the Java-based middleware portion of the platform. Cable companies have required OCAP as part of the Cablecard 2. Unlike operating systems on a personal computer, the cable company controls what OCAP programs run on the consumer's machine. Cable companies have stated that two-way communications by third party devices on their. Designed by CableLabs for the cable networks of North America, OCAP programs are intended for interactive services such as eCommerce, online banking, Electronic program guides, and digital video recording. 0

specification, a proposal that is controversial and has not been approved by the Federal Communications Commission c6de2df087

Cat 6 must meet more stringent specifications for crosstalk and system noise than Cat 5 and Cat 5e. The cable standard specifies performance of up to 250 MHz, compared to 100 MHz for Cat 5 and Cat 5e. c6de2df087 Whereas Category 6 cable has a reduced maximum length of 55 metres (180 ft) when used for 10GBASE-T, Category 6A cable is specified for 500 MHz and has improved alien crosstalk characteristics, allowing 10GBASE-T to be run for the same 100-metre (330 ft) maximum distance as previous Ethernet over twisted pair variants. c6de2df087

Submarine communications cable A submarine communications cable is a cable laid on the seabed between land-based stations to carry telecommunication signals across stretches of ocean A submarine communications cable is a cable laid on the seabed between land-based stations to carry telecommunication signals across stretches of ocean and sea. The first submarine communications cables were laid beginning in the 1850s and carried telegraphy traffic, establishing the first instant telecommunications links between continents, such as the first transatlantic telegraph cable which became operational on 16 August 1858 c6de2df087

This cable is commonly connected using punch-down blocks and modular connectors. Most Category 5 cables are unshielded, relying on the balanced line twisted pair design and differential signaling for noise suppression. c6de2df087

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