Aim:

To Study the different types of network cable
1. Unshielded Twisted Pair (UTP) cable

2. Shielded Twisted Pair (STP) cable

3. Coasial cable

4. Fibre optic cable

coble Type	Category Maximum Advantages / Application / Transmission Disadvantages Use
VTP	category 3 10 bps Advantages 10 Base -7 Ethiemet
	small overall
	category se 1616ps diameter. Fast Ethernet, Gigobit
201	to (Emil Electro Ethanet
	advantage Graphit Ethund
STP	Category 6, 60 1049 shielded widely wed in
SSTP	to right and interference
+ 1	· Expensive 1061 Ether net · Greater (100m)
	Advantages speed of signal .
conin	RG-6 10-100 Immune to Telivision network of RG-11 - 1000 Iosa High speed
	bandwidth internet connections bandwartages Tigh speed internet connections
	· Limited distance · cost

fibre optics cable	Single made Multi made	100Gbps	Advantages High speed High bandwidth High security Long distance Disadvantages Expensive Requires skilled installers	Maximum distance of gibre optics cable is around loometres
--------------------	---------------------------	---------	--	--

b) Make your own Ethernet cross-over cable / Straight table

Tools and parts needed:

- e Ethernet cabling CATSE is certified for gigabit support, but CATIS cabling works as well just over shorter distances
- networking tool shaped to push down the pins in the plug and strip and cut the shielding off the capter
 - · Two RJ45 plugs · Optional two plug shields

 Question & Answer

1. cross cable - connected for same device

Straight cable - connected for different device

2. Cross cable

3. straight cable

challenges: correct wire arrangement Output: successful cables enable network connection

comet snewly which the south of the sound of the south of

Result:
Thus the disperent types of network cable is studied.

V 3/18