EXPERIMENT NO : 2

STUDY OF NETWORK CABLES

Aim:

Study of different types of network cables

- a) Understand different types of network cables:
  - 1 Unshield Twisted Pair (UTP) cable
  - a shielded Twisted Pair (STP) Cable
  - 3. Coaxial cable
  - 4. Fibre Optic Cable.

properties before the tellecte was more

2 mag	Manual Comments	
Application 1 We	10 Base - T Ethernet Grigabit Ethernet Fast Ethernet, Grigabit Ethernet	Gigobit #thurut, 1051 Ethernet (55m) Nicleby sued in data Centrues Grigobit Ethernet, 1069 Ethernet (100m)
Advantages 1 Disadvantages	Advantagar. 1) Cheaper in cast 2) Easy to Install as they have a smaller overall clamiter Disadvantagur. 1) More prone to EMI and hoise	Advantages. 1) Shielded 2) Fauter than UTP 2) Fauter than UTP 3) less sus reptible to noise and interference. 1) Expensive 2) Greater installation effort
Maximum Bata Transmission	upto 100 Mbps 1968	ध्यवीक्रम
Codegory	category 3 Category 5 Category 5e	Category 6,
capel	5	STP

Speed of signal is 500m Television network High speed internet connections	Movimum distante of fibre optic catal a actourd teo meteri
Advantages: 1) High earchwidth. 2) Increment in interporung 3) Loce bardwidth in law 4) Vendatile Disodvantages: 1) Himited distance 2) cost 8) Size in bartey	A LONG GARDERS  A LONG GARDERS
9 - 100 Mag	
RG1-6 RG1-59 RG1-11	Single Mush mode
Coaried	Fibuce optives cobs

DMake your own Ethornet cross-over cabel straight cable:

Tools and ports needed .......

I Ethwalet calling.

cribe is catified for gigabet support, but CATS carling works as well, just over shorten distances.

a & crimping tool:

Thu is an all in one networking boot shaped to push town the pine in the plug and strip and cut the shielding of the cables

3. Two RJ45 plugs

4 optimal two plug shields

23/7/24

Result:

The types of network cables and making cross-wired cable and straight through cards using clamping/crimping tool.