Ex no: 02

STUDY OF DIFFERENT pate: 23/07 NETWORK CABLES pleading

AIM:

Study of different types of Network cables.

- a) Understand different types of network cable: Different type of cables used in networking are:
 - 1) Unshielded Tuisted Pair (UTP) cable
 - 2) Shielded Truisted Pair (STP) cable
 - 3) coasial cable.
 - 4) Fibre Optio Cable.

		Spire	of butter.			
cable	Type	category	Maximum data Transmission	Advantagy/ Disadvantagus	Application 1	imayi
	Mari dista	•	lobps	Adv cheaper cost	10 base-T Ethernet	10
UTP		category 5	Up 60 100 Mbps	• Easy to install Disadv:	Fast ethunet, ougabet Ethornet	
Eliza fragueta inclusiva del propositione del proposition	101		loibps	· Mosie prone	Fact ethernet.	
STP	æ	tegory 6.6a	1061bps	Adv: Shielded Faster than UTP Less susceptible to noise	origabit Eth 1007 Etherne undely use data ante	vinlt, t. d in
STP	ca	tegary 7	10hbps	Disadv: • Expensive • Crowater	origabit E	ethernet, rnet Croom

Installation

cable Type	category	Maximum Data Transmission	Advantagu, j Disadvantagus	Application Use
wariat caple		10-100 Mbps	* High bandwidth * Immune to Interference * low loss of bandwidth Diradvantages: * Limited distance * Cost * bulky inte	Speed of signal is a relevation network. Highepeed Internet connect
			Advantages:	22 348 T.L.
phone optics cable	single mode multi mode	100 tobps	* High speed * High bandwidth * High security Disadvantages: * Expensive	Mariemum distance of fibre of cable is around
		avissori siteria croiM « civil sil	7 1 2 1 m	

coasial cable: Image:

fibre Optics cable:

Make your own etheenet oross-over cable:
Tools and parts needed.

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Student Observation:

DM.

1) Straight cables are used for connecting different devices while crossover cables are for connecting similar devices

or established may populate the posts of

- 3) a straight are all dais soil does not pious
- 4) cathe, cath, cath A
- 5) Identifying the cables, orimping the cables, testing.

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RESULT ?

The dillerent types of cables and making

wing copper stronglet - Herenach cable.