Exp. No: 02

STUDY OF NETWORK CABLES

DATE: 23-07-24

AIM:

Study of different types of Nelwork cables.

Understand different types of Network cables:

Different type of cables used in networking are:

- 1) Unshielded Tuested Pair (UTP) Cable
- 2) Shielded Twisted Pair (STP) cable
- 3) (cascial cable

4) Fibre Optic cable

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Cable Type	Category	Mascimum Data Transmission	Advantages 1 Disadvantages	Application / Use	Image
UTTP	Category 3	10 bps	Advantage: * Chaquer	10 Base - T	Twisted pair with codded imulation
	Category 5	upto 100 mbps	* Easy to install as they have smaller cliameter Disadvantage: * More prove 6 EMI	Elhornot Fast ethernet, Origabit ethernet	auto jacket
	Category Se	1 Gibps			
STP	Colegory 6, 6a	10 Gibps	Advanlage: * Shielded * Faster than UTP * Jess suspectable to roise = intostorne	Caigabit althornel (55 m) widely cised in data center	The Trees
SSTP	Category 7	10 Cibps	Disadvanlage: ** Expensive * Grader installation effort	1.1	Multo IIII cardo de multo de multo de la constante de la const

					A C - 10-44
Cable	RG1-6, RG1-59, RG1-11	(ALLS)	Advantage: * High bandwidth * Immune to interference * Low less band - width * Verstitile Dischrantage: * Limited clistance * Cast * Lize is balky	signal is Soom TV network high speed internet Connection	Braided Tool shield shield cools could chick diddenic
Fibru optics cable	Siryle made multi made	we carpy	Advantage: * High speed * High bandwith * High scarity * Lary - clistance Disadvantage: * Expensive * Required Shilled installers	Maximum distance of fibre optic cable is abound 100 metru.	

RESULT:

Network cables.

& worked with different types of