Bractical-2

Aim: study of different types of network cables.

a) undorstand different types of network colote.

different type of cables used in networking one:

1) unshielded Twisted pain (UTP) cable
2) Shielded Twisted pain (STP) cable

2) Shielded Twisted pair (STP) cable 3) coexicul cable. 4) Fibre optic cable.				
able	cutegory	maximum detel bransmission	adiantoges / Disadiantoges	application/ use
UTP	category.3	10 bps	advantages: cheaper in cost bey to install as they have a smaller overall drameter.	ethounet
	category 5	up 60 100		Fact ethernet, grabit ethernet buok ethernet
- 65 - 65 - 67 - 67	integrong Se	Imbrs	disadvanteges: more prone 10 EM1	gialoi (ethornet
STP	category 6,	10 globs	advantage · shielded · Fabler Than UTP · less seusceptiable 6 noise & interfere	gigabit othernet, used in data centres
85TP	category 7	106bps	Discolvantage: - excipensive - graden installation - effort,	gigabit ethernet 10G ethernet (100)m)

· high ever ostera d sign · Immune to 6 500 m. RG-6 Television neturn Coocial 10-100 Mbps interfaces RG-59 cable . for love leavelwith high opeal into RG-11 · versatile Connections. dissoluntage: · Limited distance · cost · wite is bulky udianges: · mostimum · high speed, distance of Singlemode bandwith, security bibne bibore option 100 apps · long distance optics multi mode cable 16 anoun able discoluentage: 100 melors. · expensive · Requires abilled installers b) make your own etternet corours -over cable / istoriaght cable Tools and parls needed · ethornest cabling, CATSE is contified bur gigubit support, but PATS cabling works as well,

just over distances.

· The RJ 4s plugs

o optional two plyg whield

straight thrue cable: x-over rable: 1x +1 ==== == 1 1 Rx+ TX-2 == = 2 Rxx+3 == 73 TX+ 4 === **1** 4 5 1 ex -6 T 6TX IS student observation: 1) différence between arous cuble e straight-cuble? ons: Straight cable: different

purpose: used to connect different types of devices

wining: both ends of the cable have the warme

pin configuration

pin configuration: tollows the T5686A on tollows when the standard on both ends. craps cable: opurpose: used to connect wimiten devices directly · wrining: one one follows Tobsa stordard, the other follows T568B isterdend. Pin angguration: the stransmit and sneserve pins were support to enable direct communication. 2) Types of vable used to connect two Pas 3) type of cable used to connect a Router/ smileh to your PC ans: 8 traight cable.

4) category of Twisted pair owns blirwight:

5) making a wisked pair owns blirwight:

Repult:
Therefore, the study of differt types ob
Webwark cables has been studied.

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