Aim: Study of different types of Network cables.

a) Different types of cables used in networking by schoolsted Twisted paid (VTP) cable

2. Shielded Twisted pair /STP) cable.

2. coaxial cable.

1- fibae optic cable

Catagory	Maximum Data Transmission	Advallages p' Disactivan tages	application f
category 5 category 5 category 50	10 ps upto 100 mbps 161bps	divantages * theapor in cod * Easy to install. Disadvantage * More pronoto EMI	to Base-7 Ethernet Fast Ethernet, Gigabit Ethernet Fast, Etheret, Gigabit Ethernet
caregory 6, 6a	10Gbps	Advantages: *Shielded \$ Fastps than UTP	Gigable Eternet, 1062 Ethernet
category 7	10 Gbps	Disadvantage * Expensive * Gmaroy installation	Cagabilt Ethemel, 1061 Ethernet.
RG-6 RG-59 RG-11	10-100 Mbps	* Versatile Disadvantare:	Speed of signal is 500 n Television network High speed intomet connections
Single mode Multimode	100 G bps +	# High speed f High banclwidth . kLong distance	Maximum distance of glabae optics cable is around 100 metaes.
	category 5 category 5 category 6, 6a category 7 RG-6 RG-9 RG-11	Catagory 3 10 ps Catagory 5 upto 100 mbps Catagory 6, 6a 10 Gibps Catagory 7 10 Gibps RG1-59 RG-11 Single mode Nulfi mode 100 Gibps	Transmission Transmission Transmission Transmission Transmission Transmission Transmission The ps The ps The ps The proper in cod The ps T

by Make your own fifteemet cross-over catte/straight catte. Tools and pasts needed: at the snet catting: caree is certified for gigatit support, but care calling norths a well-just over shortest distances. *d cumping took This is an all-In-one networking tool shaped to push down the pins in the plug and strip and cut the shielding off the cable *Two R545 plug grab but good bress Asis xal susception Armount and more i * optional two plug shields. OF A Generic PLS and One FILE who we cable a d Straight thru cable 1 RX+ TX+1 TX+1 C Adam and priew Street of px+30 miles DERX- TX-2 mill Hom spen findicates that link is say o similarly connect in pas to the xouten -xon Observation: 1. what is the difference between cross cable and straight cable? cross cable - device to device connections straight cable-used to connect devices to network hubs, switches or routers. 2. which type of cable used to connect two PC? cross cable. which cable used to connect a router and PC straight cable. Hind Rosult: The experiment was successfully executed and OIP is verified.