

RJ45 PATCH CABLES

SHIELDING FOR PATCH CABLES

UTP (now called U/UTP)

Unshielded twisted pair cable – four pairs without shielding

FTP (now called F/UTP)

Foil twisted pair cable – four pairs with foil shielding

S/UTP

Screened/unshielded twisted pair cable – four pairs, all of which are screened together

S/FTP (now called SF/UTP)

Screened and foiled twisted pair cable – four pairs are screened together as a bundle with a foil and copper braid

S/STP (now called S/FTP or PIMF)

Screened and foiled twisted pair cable, also known as PIMF (pair in metal foil) – each pair is wrapped separately with a metal screen; all four pairs are shielded together with foil as a bundle

The advantages of shielded cables

- Prevent external electromagnetic interference
- Improved electromagnetic compatibility (EMC)
- Reduce the effects of crosstalk

DIFFERENCES BETWEEN CATEGORIES

Cat5e (Category 5e):

Data transfer frequency: 155 MHz

Cat6 (Category 6):

Data transfer frequency: 250 MHz

Cat6a (Category 6a):

Data transfer frequency: 500 MHz

For a personal consultation,
please call 011 8090 11

