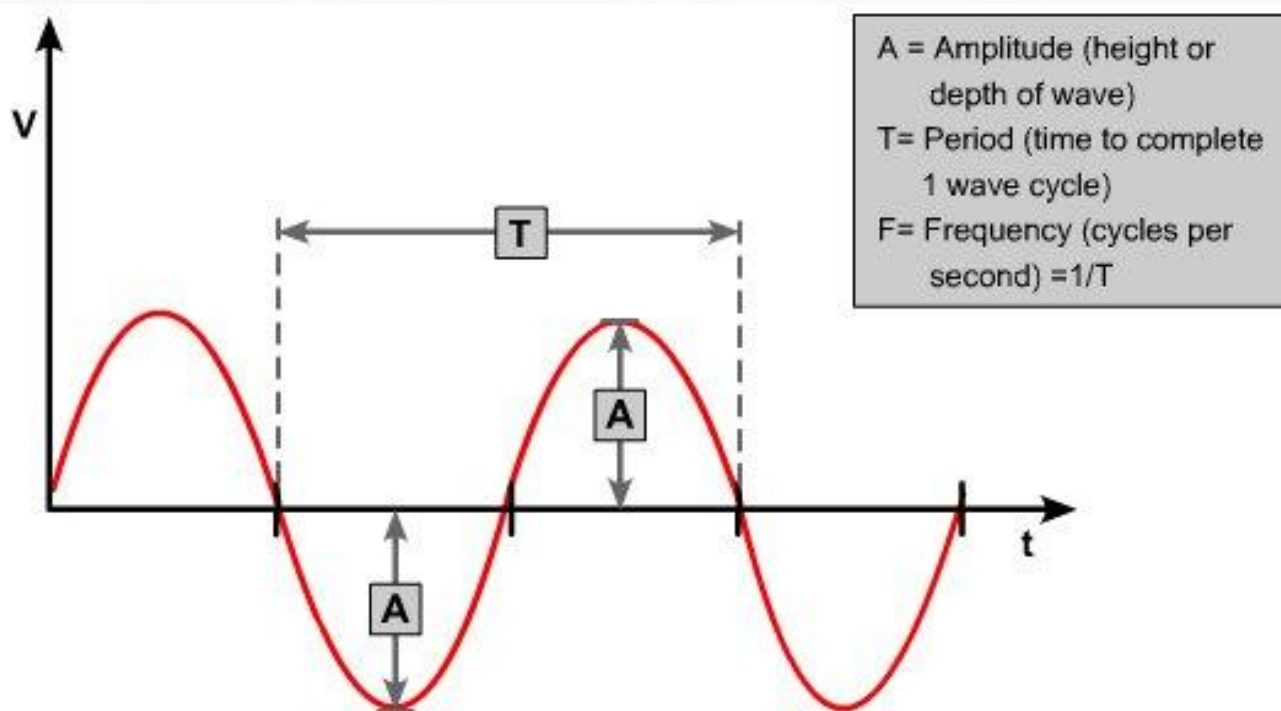


Test sui cavi di rete

Test basati sulla frequenza

Segnali e disturbi

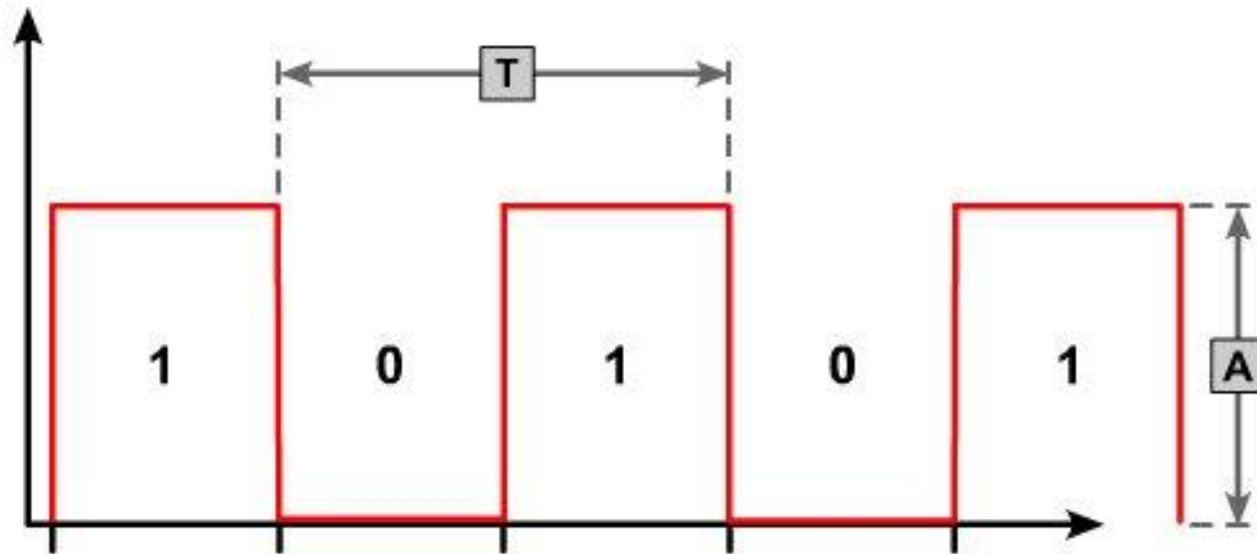
Test basati sulla frequenze (Fondamenti)



- Tensione sempre presente
- Tensione variabile nel tempo
- Molti valori di lettura della tensione

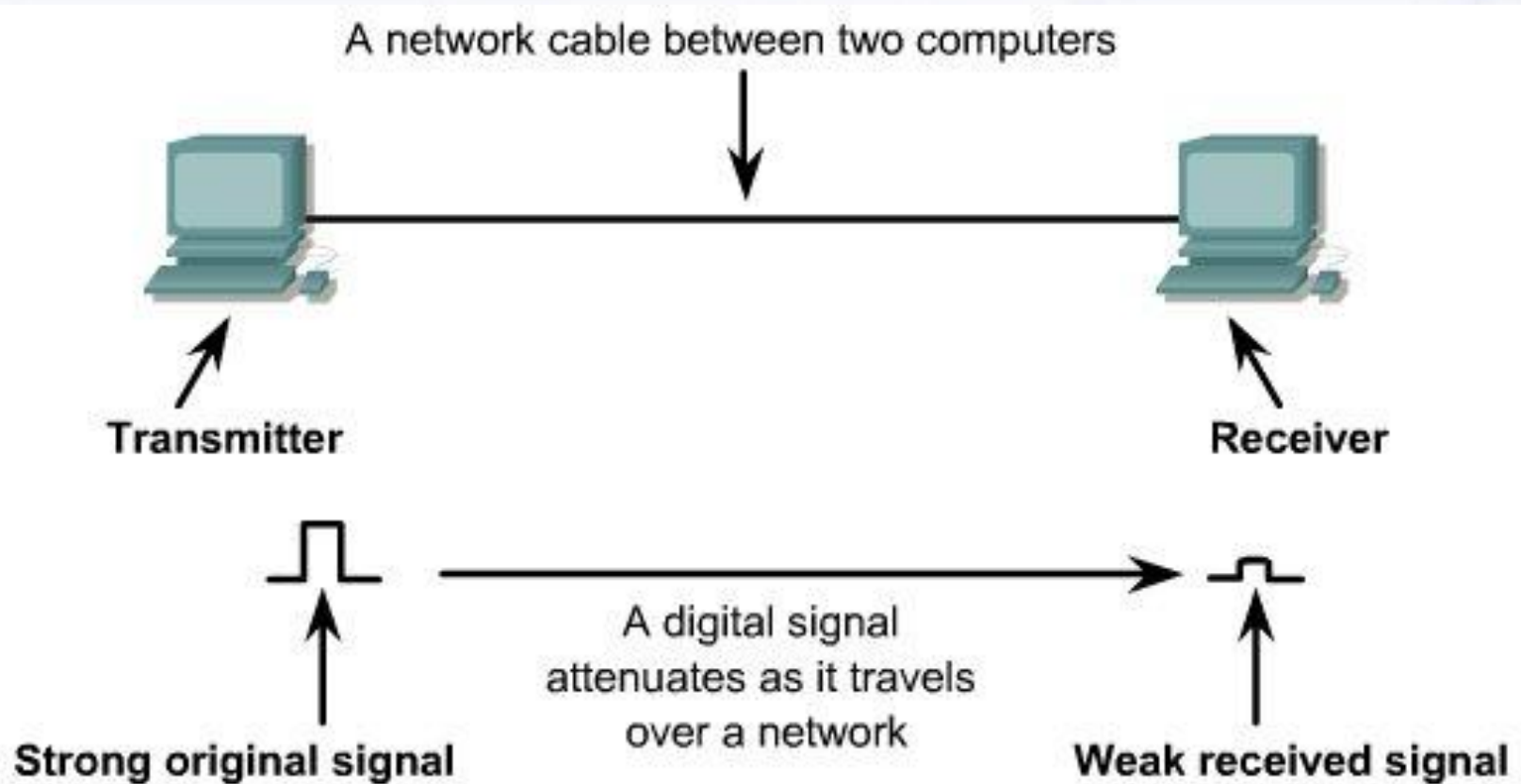
Test basati sulla frequenza (Fondamenti)

A = Amplitude (height of pulses)

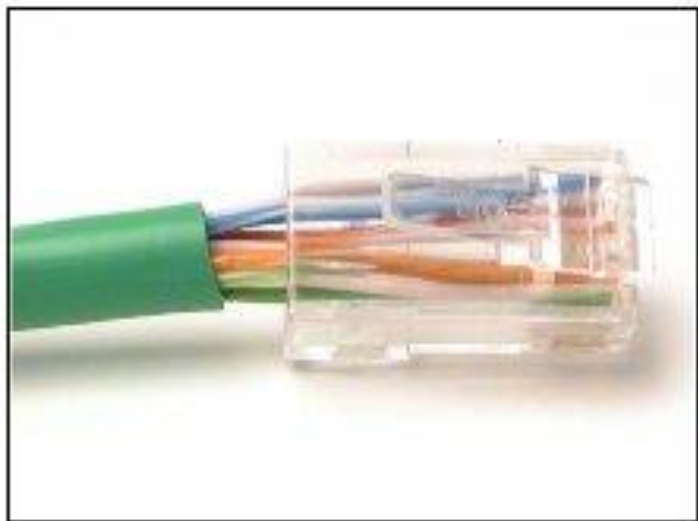


- Tensione non sempre presente
- I valori possono essere solamente 2 (o 1 o 0)
- I valori della tensione varia tra due livelli predefiniti

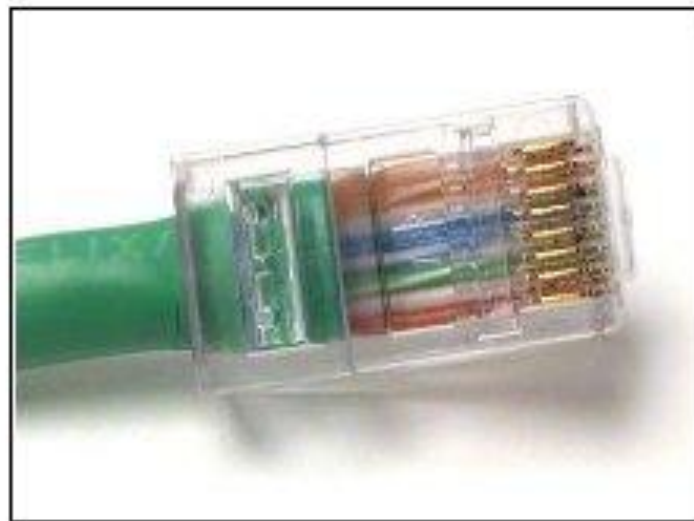
Attenuazione



Connettori di rete



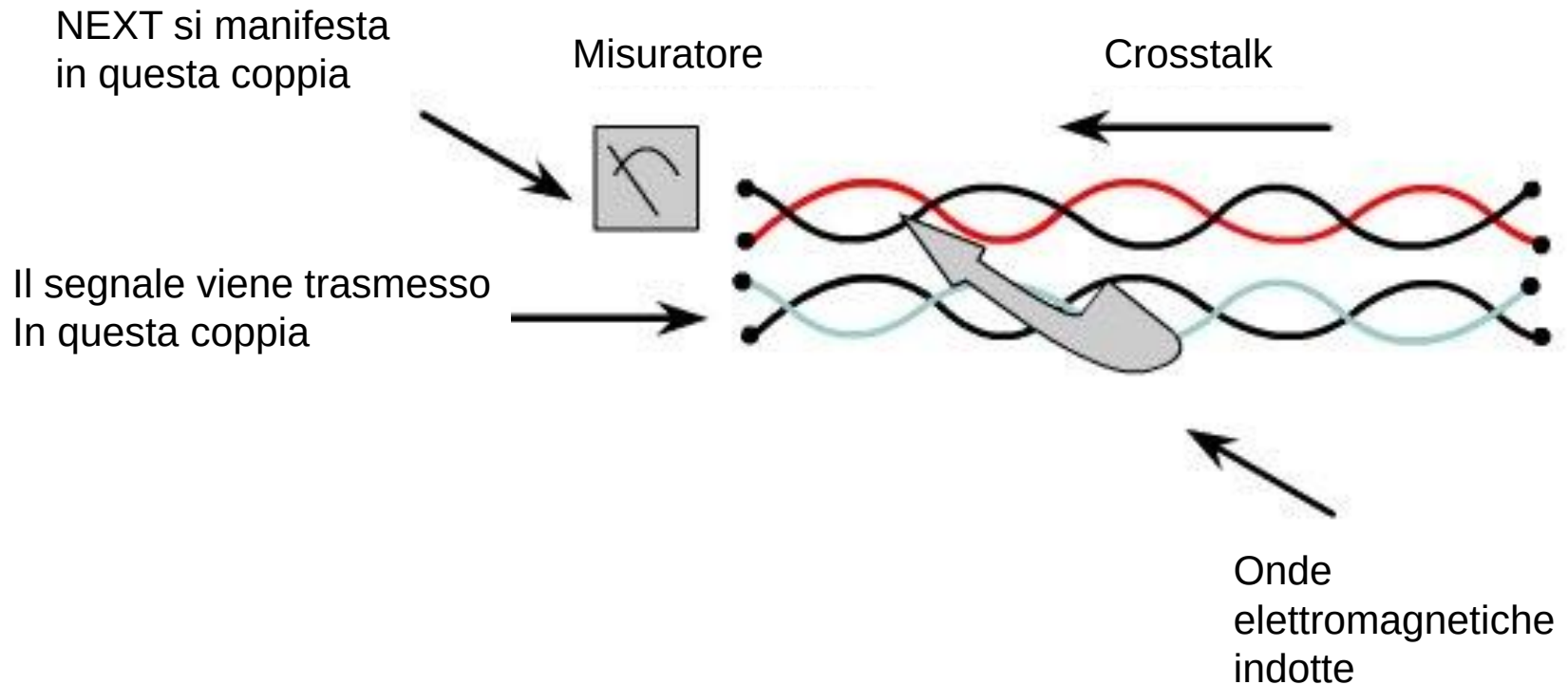
Bad Connector - Wires are untwisted for too great a length.



Good Connector - Wires are untwisted to the extent necessary to attach the connector.

Segnali e Rumori

Near-End Crosstalk



Segnali e Rumori

Far-End Crosstalk

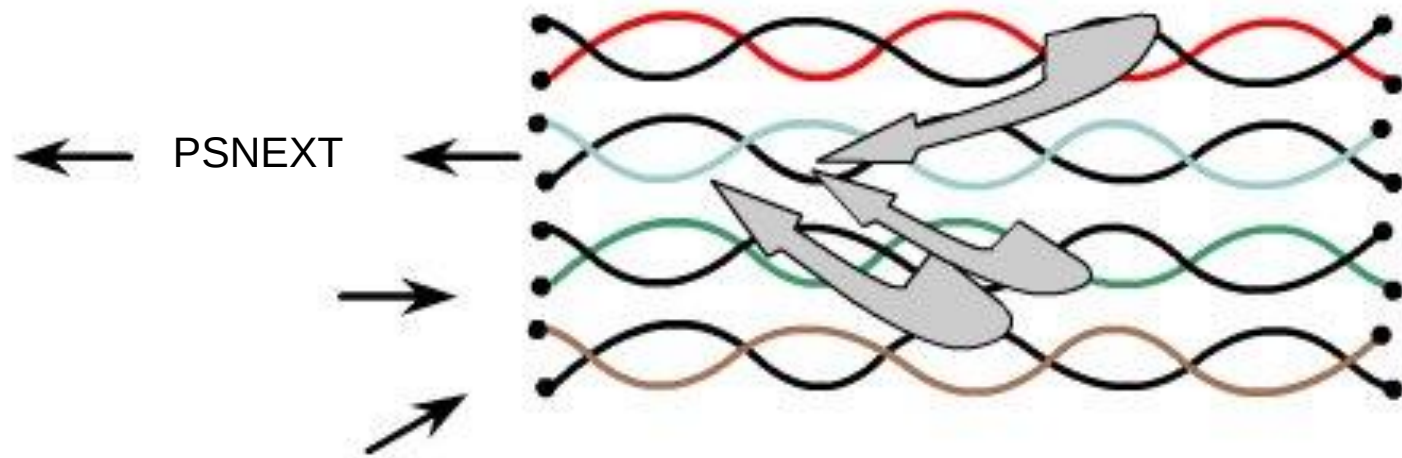
Il segnale viene
trasmesso
In questa coppia



Debole generazione
del FEXT nelle altre
coppie

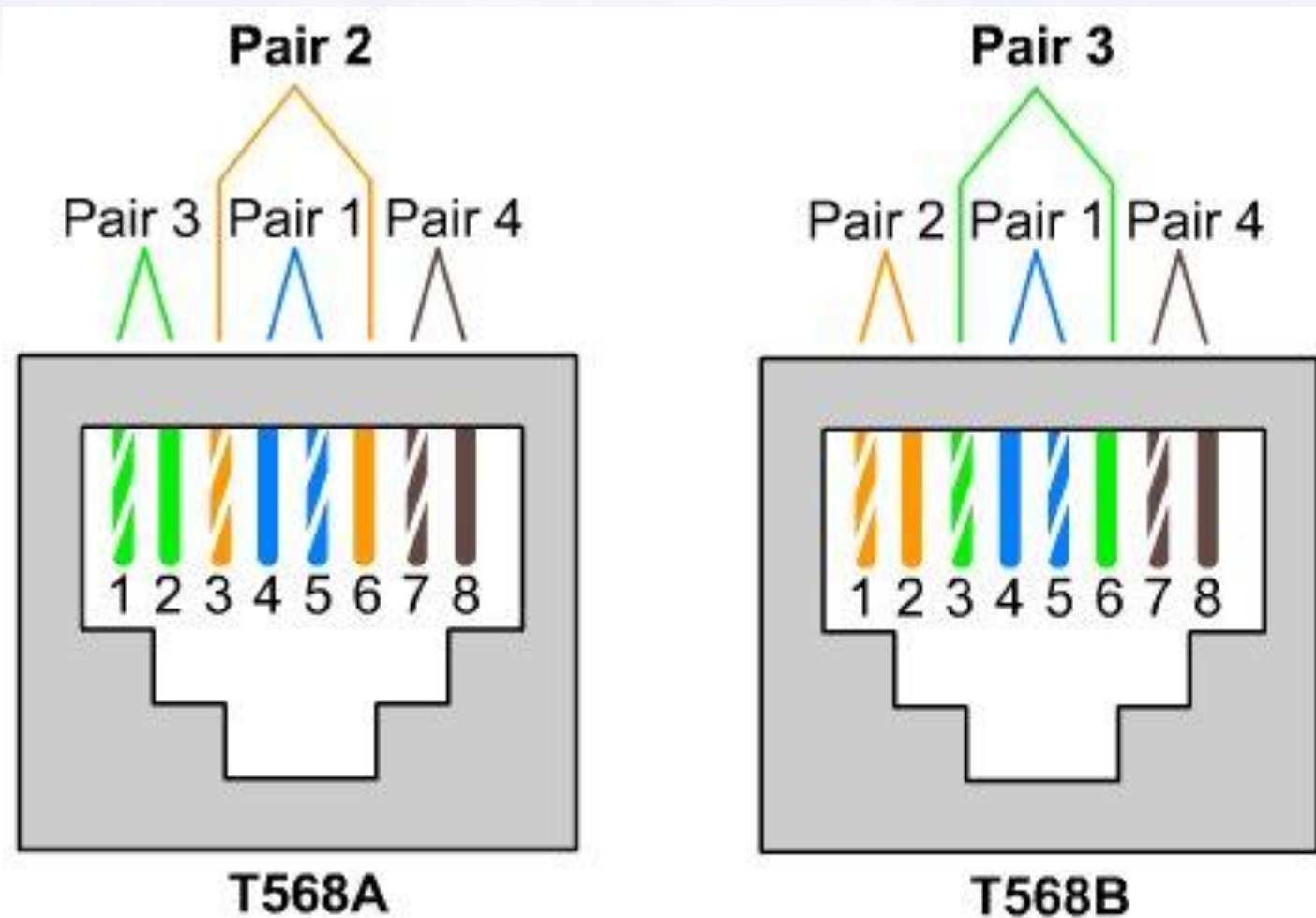
Segnali e Rumori

Far-End Crosstalk



Il segnale viene trasmesso
In questa coppia

Standard Ethernet

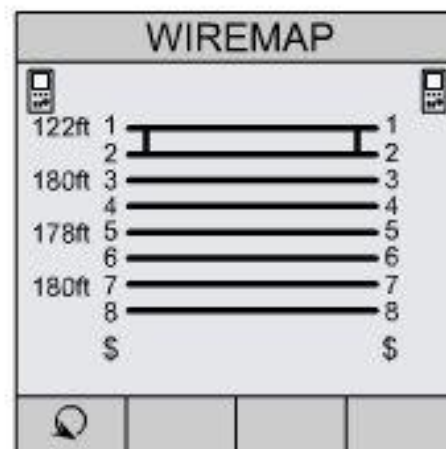
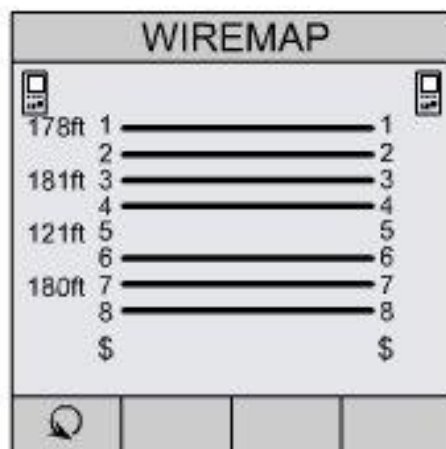
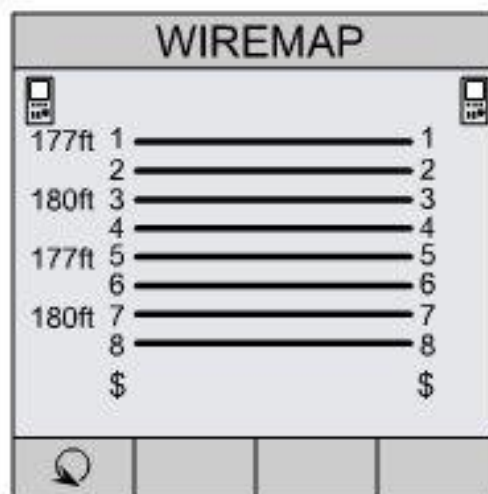


Test standard sui cavi

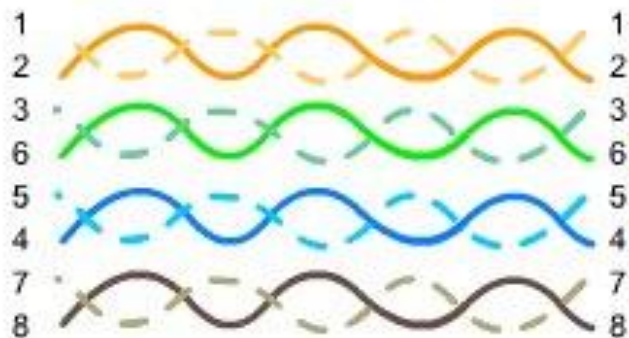
Standard TIA/EIA-568-B

- Wire map
- Insertion loss
- Near-end crosstalk (NEXT)
- Power sum near-end crosstalk (PSNEXT)
- Equal-level far-end crosstalk (ELFEXT)
- Power sum equal-level far-end crosstalk (PSELFEXT)
- Return loss
- Propagation delay
- Cable length
- Delay skew

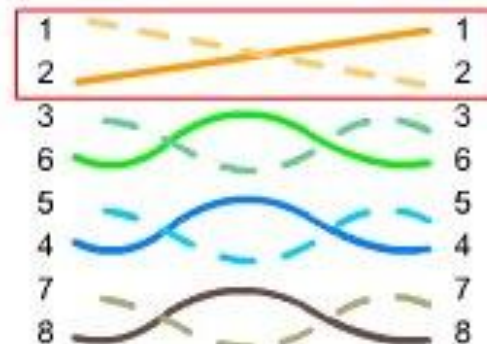
Test standard sui cavi



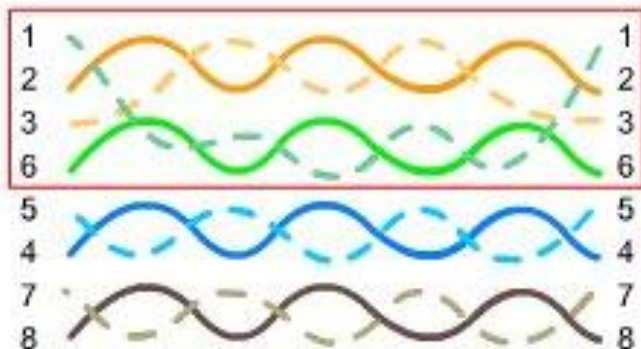
Errori sulle attestazioni dei cavi



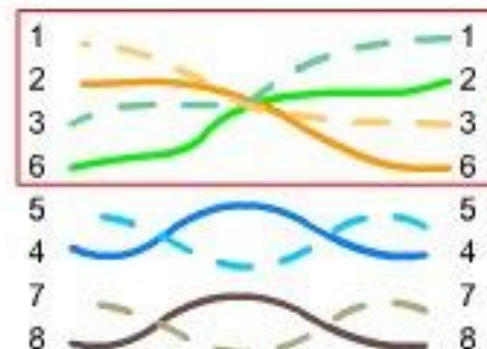
Correct T568B Wiring



Reversed-pair wiring fault



Split-pair Wiring Fault



Transposed-pair Wiring Fault