



Making a Ethernet Cable

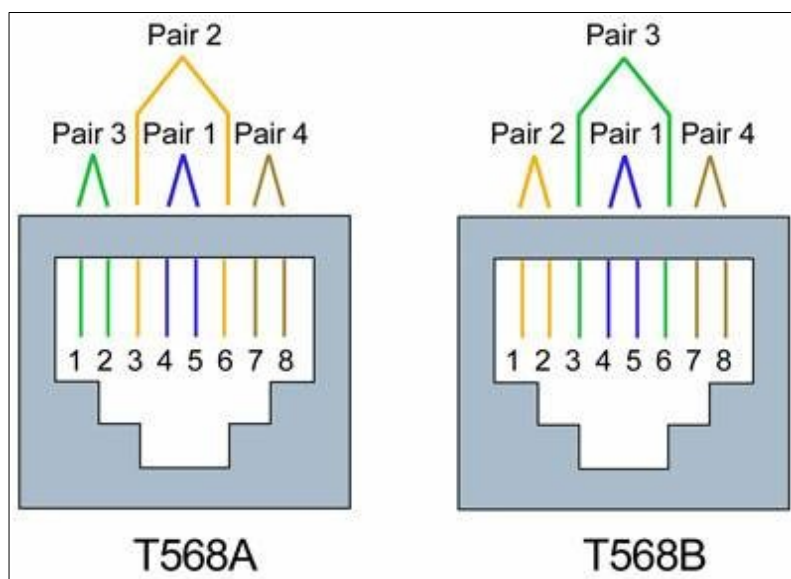
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The differences between wiring codes T568A vs T568B (AT&T 258A) are the two color codes used for wiring eight-position RJ45 modular plugs. Both are allowed under the ANSI/TIA-568-C wiring standards. The only difference between T568A and T568B is that the orange and green pairs are interchanged.









The T568A wiring pattern is recognized as the preferred wiring pattern for this standard because it provides backward compatibility to both one pair and two pair USOC wiring schemes. The U.S. Government requires the use of the preferred T568A standard for wiring done under federal contracts.

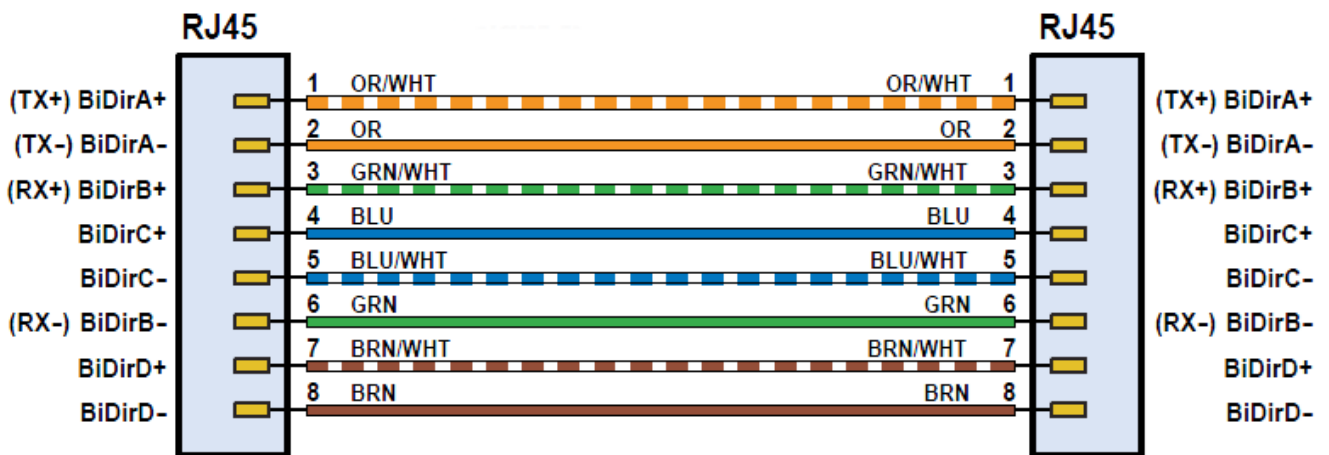
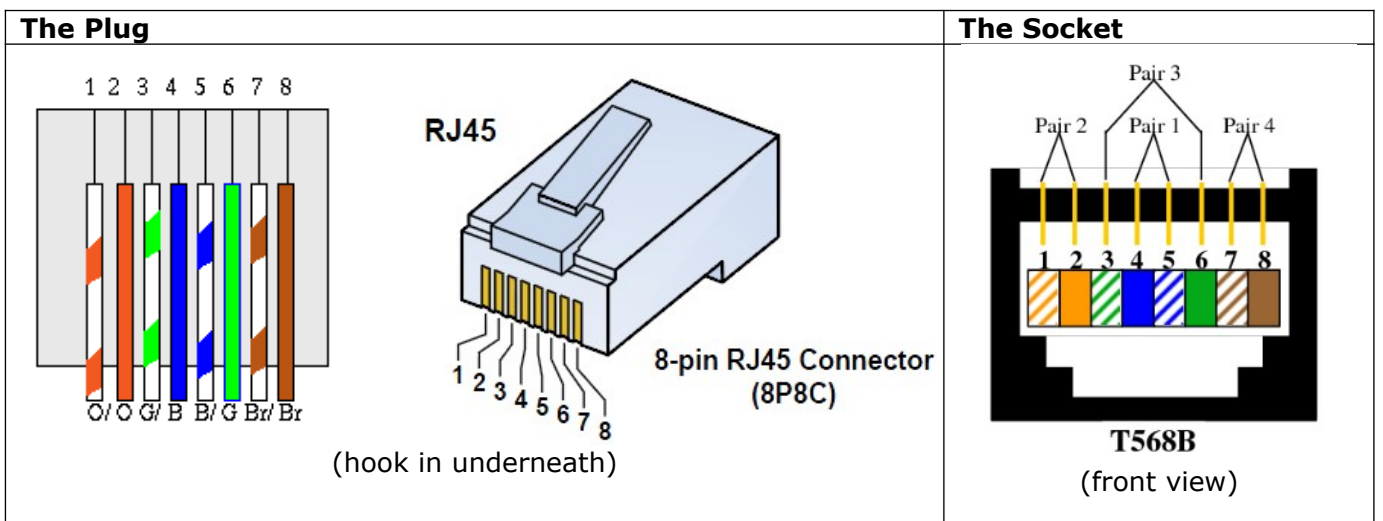
The T568B standard matches the older AT&T 258A color code and is the most widely used wiring scheme worldwide in home and commercial environments.

The following diagrams look at the jacks from the front.



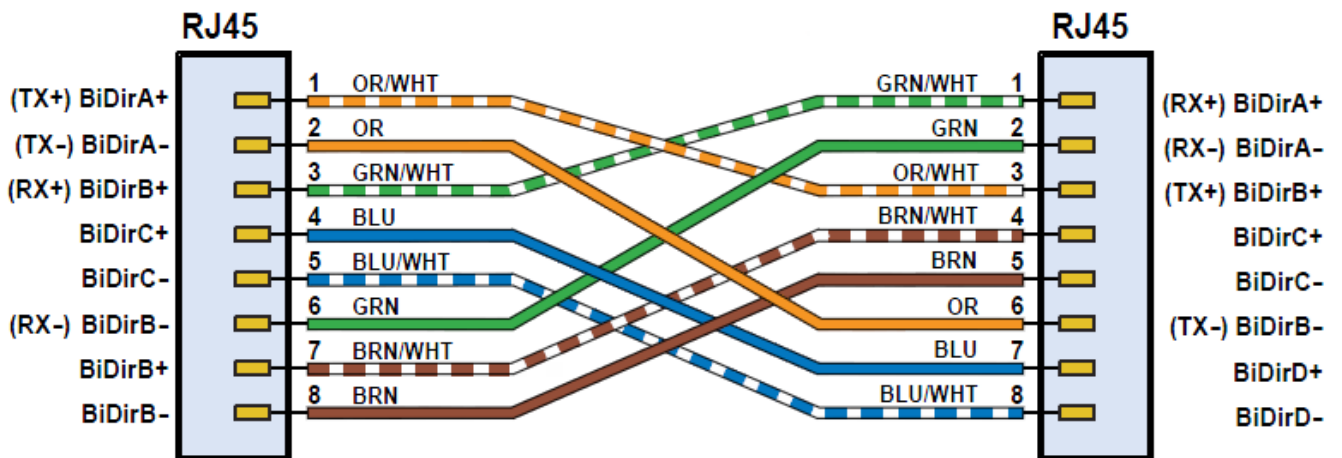
Straight (EAI T568B)

	Color Coding		Electrical	
			10Base	+10Base
Pin 1		Orange/White	TX_D1+	BI_D1+
Pin 2		Orange	TX_D1-	BI_D1+
Pin 3		Green/White	RC_D2+	BI_D2+
Pin 4		Blue		BI_D3+
Pin 5		Blue/White		BI_D3-
Pin 6		Green	RC_D2-	BI_D2-
Pin 7		Brown/White		BI_D4+
Pin 8		Brown		BI_D4-



Cross-over (EAI T568B)

	One End		The Other End		
Pin 1		Orange/White	Green/White		Pin 1
Pin 2		Orange	Green		Pin 2
Pin 3		Green/White	Orange/White		Pin 3
Pin 4		Blue	Brown/White		Pin 4
Pin 5		Blue/White	Brown		Pin 5
Pin 6		Green	Orange		Pin 6
Pin 7		Brown/White	Blue		Pin 7
Pin 8		Brown	Blue/White		Pin 8



Simple Cable Tester for less than 15 Euro

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