

PCB design considerations

Maximum current according to track width

Next table indicates maximum current capabilities depending of more common traces width used in our labs (for an increment of 10°C above ambient temp)

Data has been obtained by the online calculator from DigiKey:

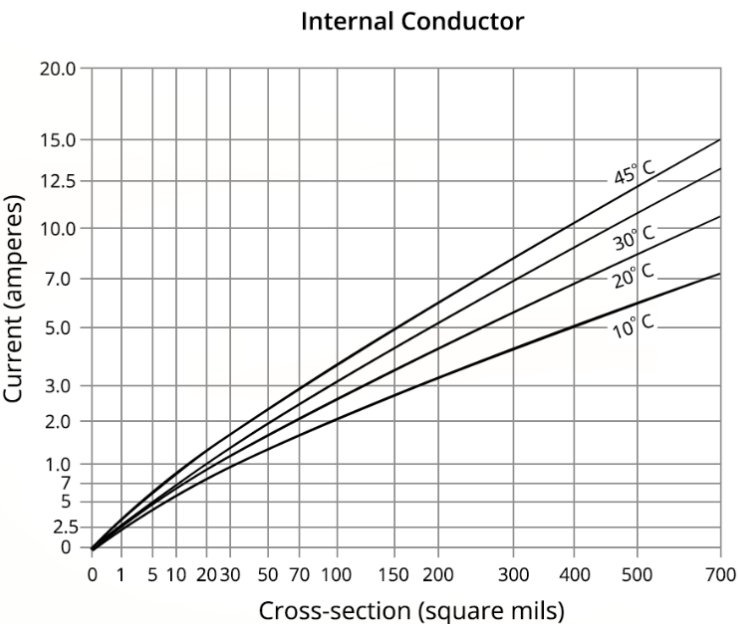
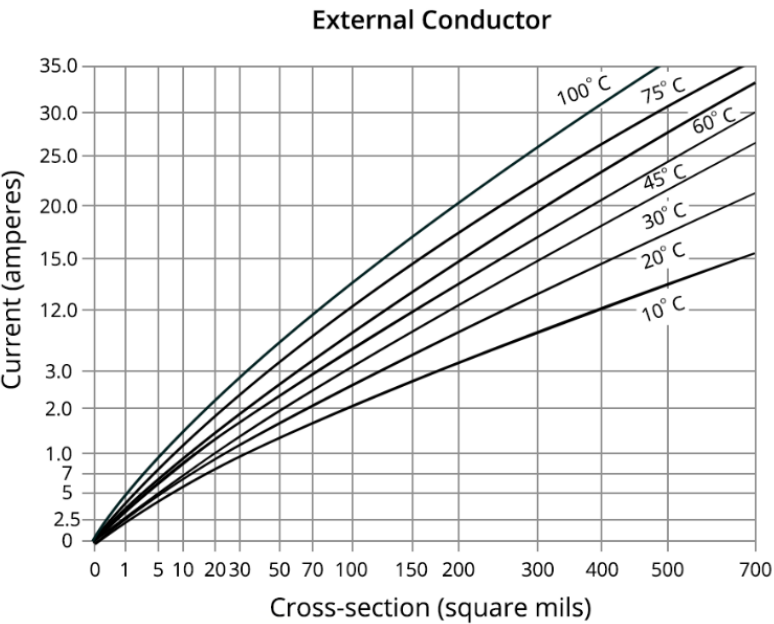
https://www.digikey.es/es/resources/conversion-calculators/conversion-calculator-pcb-trace-width?srsltid=AfmBOopNOZ3_QDf3OyPkBhdrRJYpS7bBpc4VYQ7qk2U03INr4itppTOP

This data refers to a standard copper layer of 1 oz/ft² weight, which leads to a copper thickness of 35 μm

[illegible]

Another approach to obtain the current is using next tables from Altium:

<https://resources.altium.com/es/p/pcb-trace-width-vs-current-table-high-voltage-design>



Current (A)	Trace width (mil)
1	10
2	30
3	50
4	80
5	110
6	150
7	180
8	220
9	260
10	300