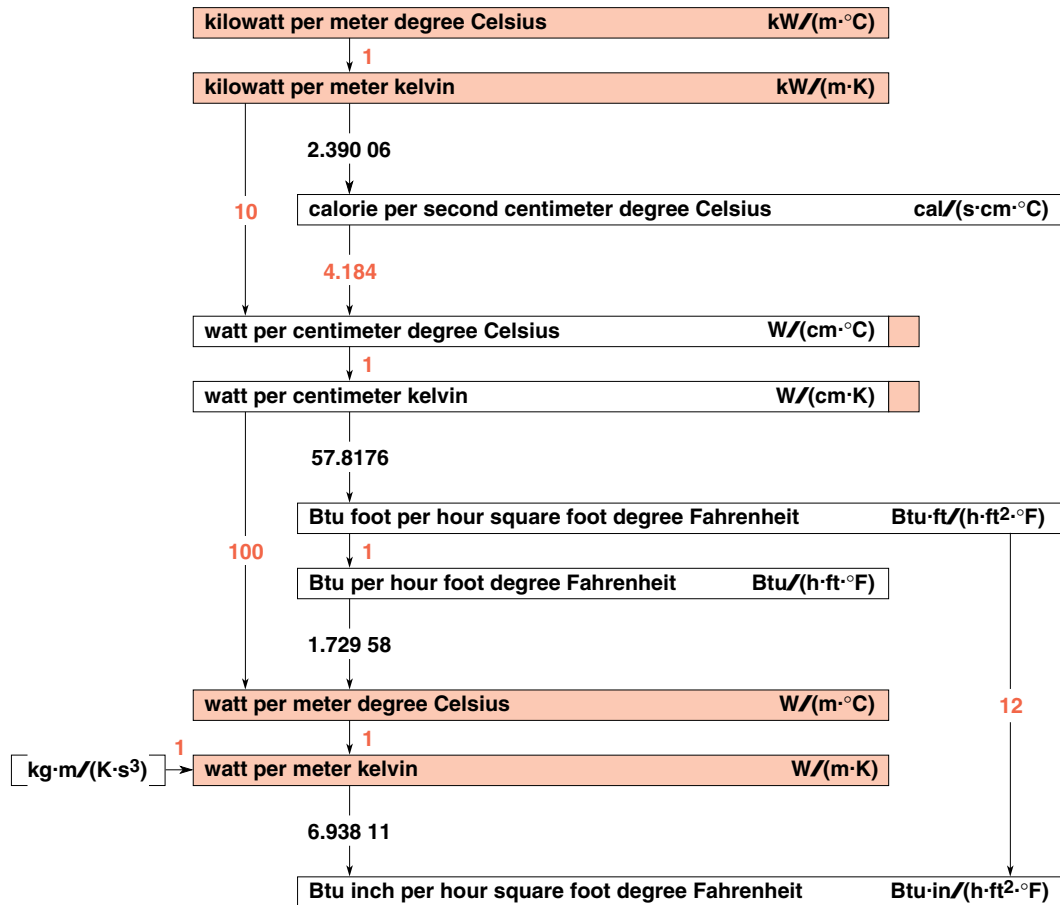


VISUALIZING SI UNITS

THERMAL CONDUCTIVITY (λ)



Note: the Btu and the calorie are defined in several ways.
In this chart they are *thermochemical units*

Example: Convert 500 Btu/(h·ft·°F) into watts per meter kelvin

Solution: $500 \text{ Btu/(h·ft·°F)} = 500 (\times 1.729 58) (\times 1) \text{ W/(m·K)} = 864.79 \text{ W/(m·K)}$