

Properties	Physical propeties of copper and aluminium	
	ALUMINIUM	COPPER
Weigth specific 20°C	2.703 gr/cm ³	8.89 gr/cm ³
Melting point	650 °C	1083 °C
Electric resistivity at	0.027808 mm ² /m	0.017241 mm ² /m
Thermal conductivity	187.2 Kcal / mh°C	340 Kcal / mh °C

	EQUIVALENCES BETWEEN CONDUCTORS COPPER AND ALUMINIUM			
	For equal temperatures and intensities		For equal voltage drop (conductance)	
	ALUMINIUM	COPPER	ALUMINIUM	COPPER
Diameter	-	x 1.19	-	x 1.27
Cross Section	-	x 1.42	-	x 1.63
Weigth	-	x 0.40	-	x 0.40