



## MATERIAL TECHNICAL DATA SHEET

### 1. Material Designation

Material Name        **Cupral8**  
Symbol                **CuAl14Fe5Mn2Co**  
Number                -  
Reference Specification: © FM

### 2. Composition %

Element	Cu	Al	Fe	Mn	Co	Ni					Density g/cm <sup>3</sup> , approx.
min. %	Rest	13,8	4,8	2	1	-					7,25
max. %	-	14	5,3	2,5	2	1					
nominal %(*)	Rest	14	5,0	2,0	-	-					

### 3. Mechanical Properties

Specification	Material condition	Conductivity (%IACS) min.	Hardness (HB30) min.	Tensile strength, Rm (N/mm <sup>2</sup> ) min.	0,2% Proof strength, Rp0,2 (N/mm <sup>2</sup> ) min.	Elongation A % min.
© FM (**)			350	-	-	-

(\*) Fine Metal nominal casting values

(\*\*) Fine Metal nominal production values