CIMET® CCD, CCD/E

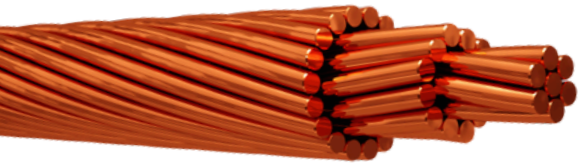
Bare or Tinned Copper Grounding Conductor

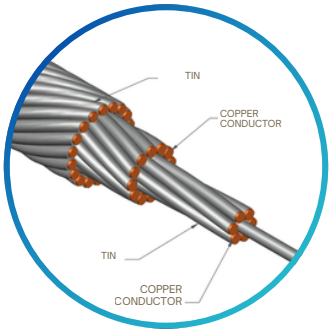
Designation:
CCD o CCD/E

Conductor Material:
Annealed Copper

Manufacturing and Testing Standard:
IRAM NM 280

However, we are also able to meet the requirements of other applicable standards or specifications.







DESCRIPTION

Bare or tinned copper conductor for grounding applications, consisting of helically stranded bare or tinned annealed copper wires, with alternating lay directions in successive layers. The outermost layer has a left-hand lay. CIMET identification is provided by a white identification thread positioned between the wire layers.

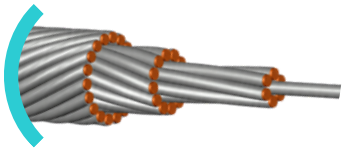
APPLICATION

For grounding applications. The tinned copper option is recommended where good solderability is required, as well as for environments or soils whose chemical characteristics may adversely affect a bare copper conductor.

Bare Annealed Copper Conductor

Designation / Cross-sectional Area	Number of Wires	Approx. Diameter (mm)	Approx. Mass (kg/km)	Max. DC Electrical Resistance (Ω/km at 20 °C)
CCD 10 mm²	7	4,1	90	1,83
CCD 16 mm²	7	5,2	142	1,15
CCD 25 mm²	7	6,5	224	0,727
CCD 35 mm²	7	7,6	312	0,524
CCD 50 mm²	19	8,9	424	0,387
CCD 70 mm²	19	10,6	608	0,268
CCD 95 mm²	19	12,5	846	0,193
CCD 120 mm²	37	14,1	1046	0,153
CCD 150 mm²	37	15,7	1274	0,124
CCD 185 mm²	37	17,5	1660	0,0991
CCD 240 mm²	61	20,1	2107	0,0754
CCD 300 mm²	61	22,6	2642	0,0601
CCD 400 mm²	61	25,6	3382	0,0470
CCD 500 mm²	61	28,9	4341	0,0366
CCD 630 mm²	91	32,7	5640	0,0283

CIMET® CCD, CCD/E



Tinned Annealed Copper Conductor

Designation / Cross-sectional Area	Number of Wires	Approx. Diameter (mm)	Approx. Mass (kg/km)	Max. DC Electrical Resistance (Ω/km at 20 °C)
CCD/E 10 mm²	7	4,1	91	1,84
CCD/E 16 mm²	7	5,2	144	1,16
CCD/E 25 mm²	7	6,5	231	0,734
CCD/E 35 mm²	7	7,6	317	0,529
CCD/E 50 mm²	19	8,9	424	0,391
CCD/E 70 mm²	19	10,6	626	0,270
CCD/E 95 mm²	19	12,5	859	0,195
CCD/E 120 mm²	37	14,1	1075	0,154
CCD/E 150 mm²	37	15,7	1274	0,126
CCD/E 185 mm²	37	17,5	1671	0,100
CCD/E 240 mm²	61	20,1	2138	0,0762
CCD/E 300 mm²	61	22,6	2654	0,0607
CCD/E 400 mm²	61	25,6	3396	0,0475
CCD/E 500 mm²	61	28,9	4359	0,0369
CCD/E 630 mm²	91	32,7	5658	0,0286

The components used in this conductor are potentially recyclable. Recovering and returning these materials for reuse allows them to re-enter the production cycle, providing a twofold environmental benefit: reducing waste generation and decreasing the consumption of primary metals.

"The information provided in this Technical Data Sheet is for reference purposes only and is subject to change and/or update without prior notice. Furthermore, it does not constitute a statement of suitability of our products for any specific application. Therefore, we recommend consulting a suitably qualified professional to ensure the proper detailed engineering and sizing of your project or installation."