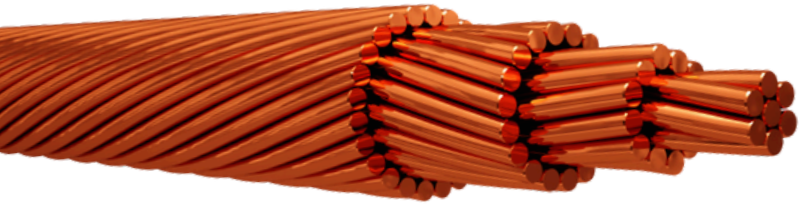
CIMET® CCDLA



Bare Conductor – Overhead Lines or Grounding Applications

Designation:
CCDLA

Conductor Material:
Hard-Drawn Copper

Manufacturing and Testing Standard:
IRAM 2004

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



DESCRIPTION

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

APPLICATION

For use in overhead power lines and particularly in grounding applications.

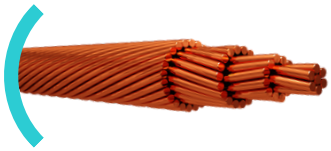
Designation / Cross-sectional Area	No. of Wires × mm	Approx. Diameter (mm)	Approx. Mass (kg/km)	Minimum Breaking Load (daN)	Max. DC Electrical Resistance (Ω/km at 20 °C)	Max. AC Electrical Resistance (Ω/km at 80 °C)	Current-Carrying Capacity (1) - A
CCDLA 10 mm²	7x1,35	4,1	90	389	1,81	2,237	89
CCDLA 16 mm²	7x1,70	5,1	143	613	1,14	1,409	119
CCDLA 25 mm²	7x2,15	6,5	229	974	0,712	0,880	159
CCDLA 35 mm²	7x2,52	7,6	315	1326	0,518	0,640	194
CCDLA 50 mm²	7x3,02	9,1	452	1868	0,361	0,446	243
CCDLA 50 mm²	19x1,85	9,3	463	1967	0,356	0,440	246
CCDLA 70 mm²	7x3,57	10,7	632	2560	0,258	0,319	299
CCDLA 70 mm²	19x2,15	10,8	625	2645	0,264	0,326	296
CCDLA 95 mm²	19x2,52	12,6	859	3599	0,192	0,237	360
CCDLA 120 mm²	19x2,85	14,3	1098	4549	0,150	0,185	420
CCDLA 150 mm²	19x3,20	16,0	1384	5666	0,119	0,147	485
CCDLA 150 mm²	37x2,25	15,8	1336	5627	0,124	0,153	474
CCDLA 185 mm²	37x2,52	17,6	1675	7009	0,0988	0,1221	545
CCDLA 240 mm²	37x2,85	20,0	2143	8859	0,0772	0,0954	636
CCDLA 240 mm²	61x2,25	20,3	2206	9277	0,0753	0,0931	646
CCDLA 300 mm²	37x3,20	22,4	2701	11034	0,0613	0,0758	734
CCDLA 300 mm²	61x2,52	22,7	2768	11555	0,0600	0,0741	744

(1) Conductor temp.: 75 °C, ambient temp.: 40 °C, exposed to sunlight, wind speed: 0.6 m/s

Final mean effective modulus of elasticity: 10,500 daN/mm²; coefficient of linear thermal expansion: 17 × 10^{-6} / °C.

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CIMET® CCDLA



PRODUCT CERTIFICATION

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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."