

Bare overhead copper conductors

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BARE COPPER CONDUCTORS

APPLICATIONS

Copper conductors **L Cu** are intended to build and repair the overhead power lines, mainly in train and tram tractions and special installations (e.g. in battery rooms).

Hard drawn copper wires enhances protection against mechanical damage during overhead lines operation.

CONSTRUCTION

- multiwire conductors, stranded of hard drawn copper wires, meeting requirements of class 2 per DIN EN 48201 standard.

CHARACTERISTICS

Conductor size	mm ²	10.0	16.0	25.0	35.0	50.0
Wires construction	mm	7 x 1.35	7 x 1.70	7 x 2.10	7 x 2.50	7 x 3.00
Calculated cross-section	mm ²	10.02	15.89	24.25	34.36	49.48
Calculated outer diameter	mm	4.05	5.10	6.30	7.50	9.00
Calculated DC conductor resistance at 20°C	Ω/km	1.8072	1.1385	0.7460	0.5265	0.3656
Calculated breaking force	kN	4.02	6.38	9.71	13.78	19.82
Calculated weight	kg/km	90	143	219	310	447

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