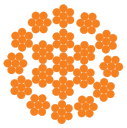
Flexible cable conductors made of pure copper (Cu-ETP) according to DIN 43138



Survey

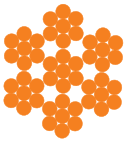
nominal cross section	calculated cross section	number of wires	diameter wire	diameter cable	weight	tensile strength single wires	continuous current-carrying capacity A	
mm²	mm²		mm	mm	kg/km	N/mm²	0,6 m/s	1 m/s
16	16.3	49	0.65	5.9	152	< 300	135	155
25	26.1	133	0.50	7.5	246	< 300	180	205
35	37.6	133	0.60	9.0	353	< 300	225	255
50	51.2	133	0.70	10.5	482	< 300	280	310
70	72.7	189	0.70	13.0	685	< 300	340	370
95	99.7	259	0.70	14.7	935	< 300	420	460
120	118.5	336	0.67	16.4	1120	< 300	485	535
150	150.9	392	0.70	18.3	1420	< 300	570	625
185	185.1	525	0.67	20.4	1745	< 300	660	720
210	209.8	595	0.67	21.5	1980	< 300	720	780
240	245.2	367	0.70	23.1	2320	< 300	785	850
300	296.6	637	0.77	25.4	2800	< 300	895	970

Remarks: The outer layer has to be right handed (Z-rotation)

Reference values for continuous current load are valid up to 60 Hz at the given wind velocity and sun impact for a starting ambient temperature of 40 °C and a final temperature of the conductor of 80 °C.

Other constructions: e. g. international standards and customer specifications on request

Flexible cable conductors made of bronze BzII (CuMg) according to DIN 43138



Survey

Optimized high bending resistance

nominal cross section	calculated cross section	number of wires	diameter wire	diameter cable	weight	tensile strength single wires
mm²	mm²		mm	mm	kg/km	N/mm²
10	9.6	49	0.50	4.5	89	≥ 589
16	16.3	49	0.65	5.9	152	≥ 589
16	16.3	84	0.50	6.2	152	≥ 589
25	26.1	133	0.50	7.5	246	≥ 589
35	37.6	133	0.60	9.0	353	≥ 589

Remarks: The outer layer has to be right handed (Z-rotation)

Other constructions: e. g. international standards or customer specifications on request

Fatigue test