


ANNEALED COPPER CONDUCTOR

Solid or Stranded
Bare or Tin Coated

<p>APPLICATION: For use on insulators for overhead distribution or for ground conductors</p> <p>STANDARDS:</p> <ol style="list-style-type: none"> 1. Conforms to ASTM B-3 "Soft or Annealed Copper Wire." 2. Conforms to ASTM B-8 for "Concentric-Lay Stranded Copper Conductors." 3. Conforms to ASTM B-33 for "Tinned Soft or Annealed Copper for Electrical Purposes." 4. Conforms to Federal Standard QQ-W-343. <p>CONSTRUCTION: Soft or annealed, bare or tin coated, solid or concentric stranded copper conductor.</p>				
USAWC Part #	Size AWG or kcmil	No. of Strands	Nom. Diam. Inches	Copper Weight lbs/ 1000 ft
Solid Bare				
14-01SOLSDBC	14	Solid	.0641	12
12-01SOLSDBC	12	Solid	.0808	20
10-01SOLSDBC	10	Solid	.1019	31
8-01SOLSDBC	8	Solid	.1285	50
6-01SOLSDBC	6	Solid	.1620	79
4-01SOLSDBC	4	Solid	.2043	126
2-01SOLSDBC	2	Solid	.2576	201
Solid Tinned				
8-01SOLSDBC	8	Solid	.1285	50
6-01SOLSDBC	6	Solid	.1620	79
4-01SOLSDBC	4	Solid	.2043	126
2-01SOLSDBC	2	Solid	.2576	201
Stranded Bare				
8-01STRSDBC	8	7	.142	51
6-01STRSDBC	6	7	.179	81
4-01STRSDBC	4	7	.225	129
3-01STRSDBC	3	7	.260	163
2-01STRSDBC	2	7	.283	205
1-01STRSDBC	1	7	.328	258
1/0-01STRSDBC	1/0	19	.362	326
2/0-01STRSDBC	2/0	19	.406	411
3/0-01STRSDBC	3/0	19	.456	518
4/0-01STRSDBC	4/0	19	.512	653
250-01STRSDBC	250	37	.558	772
350-01STRSDBC	350	37	.661	1081
400-01STRSDBC	400	37	.728	1235
500-01STRSDBC	500	37	.789	1544
600-01STRSDBC	600	61	.893	1853
750-01STRSDBC	750	61	.998	2316
1000-01STRSDBC	1000	61	1.152	3088
Stranded Tinned				
8-01STRSDTC	8	7	.146	51
6-01STRSDTC	6	7	.184	81
4-01STRSDTC	4	7	.232	129
2-01STRSDTC	2	7	.292	205
1/0-01STRSDTC	1/0	19	.373	326
2/0-01STRSDTC	2/0	19	.419	411
3/0-01STRSDTC	3/0	19	.470	518
4/0-01STRSDTC	4/0	19	.528	653
250-01STRSDTC	250	37	.575	772
350-01STRSDTC	350	37	.681	1081
500-01STRSDTC	500	37	.813	1544
Class A Stranded - Bare				
1/0-01STRSDBCCA	1/0	7	.368	326
2/0-01STRSDBCCA	2/0	7	.414	411
3/0-01STRSDBCCA	3/0	7	.464	518
4/0-01STRSDBCCA	4/0	7	.522	653
250-01STRSDBCCA	250	19	.574	772
350-01STRSDBCCA	350	19	.679	1081
500-01STRSDBCCA	500	37	.813	1544

Specification

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Solid or Stranded Bare or Tin Coated

1. SCOPE

- 1.1 This specification describes solid and stranded annealed or soft drawn bare or tin coated uninsulated copper wire for all applicable uses.

2. STANDARDS

- 2.1 American Society for Testing Materials, ASTM Specification B-3, latest revision, Soft or Annealed Copper Wire.
- 2.2 American Society for Testing Materials, ASTM Specification B-8, latest revision, Concentric-lay-Stranded Copper Conductors.
- 2.3 American Society for Testing Materials, ASTM Specification B-33, latest revision, Tinned Soft or Annealed Copper Wire for Electrical Purposes.
- 2.4 Federal Specification QQ-W-343, latest revision, Wire, Electrical, Copper, Uninsulated.

3. CONDUCTOR

- 3.1 Solid conductors and individual members of stranded conductors shall meet the requirements of ASTM B3.
- 3.2 Stranded conductors shall be assembled in accordance with the requirements of ASTM B8.
- 3.3 Tinned conductors shall meet the requirements of ASTM B33.

4. TESTS

- 4.1 Copper conductors shall be tested to meet the requirements of the ASTM standards. Certified Test Reports may be furnished if requested prior to manufacture of the conductor.

5. PACKAGING

- 5.1 Conductors shall be packaged in accordance with standard commercial practice.