



Product Data Sheet

BARE AND TINNED COPPER CONDUCTORS

SCOPE:

This specification covers bare and tin-plated solid and concentric lay stranded conductors made from round copper wires of hard, medium hard, soft or annealed temper. Stranded conductors shall be constructed with central core surrounded by one or more layers of helically laid wires. Solid copper wires are C102 temper oxygen free.

APPLICABLE STANDARDS:

The cables produced under this specification will comply with all applicable requirements of the following standards, which are the principle standards of this product:

- **ASTM B 1** – Specification for Hard-Drawn Copper Wire
- **ASTM B 2** – Specification for Medium-Hard-Drawn Copper Wire
- **ASTM B 3** – Specification for Soft or Annealed Copper Wire
- **ASTM B 8** – Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard or Soft
- **ASTM B 33** – Specification for Tinned Soft or Annealed Copper Wire

CABLE PARAMETERS					
P/N	Size (AWG/KCML)	Stranding	Strand OD (in)	Conductor OD (in)	Conductor Weight (lb/kft)
RM-CU0014SR	14	Solid	0.064	0.064	12
RM-CU0014BC	14	7	0.024	0.070	13
RM-CU0012SR	12	Solid	0.081	0.081	20
RM-CU0012BC	12	7	0.031	0.096	21
RM-CU0010SR	10	Solid	0.102	0.102	31
RM-CU0010BC	10	7	0.039	0.120	33
RM-CU0008SR	8	Solid	0.129	0.129	50
RM-CU0008BC	8	7	0.049	0.146	51
RM-CU0006SR	6	Solid	0.162	0.162	79
RM-CU0006BC	6	7	0.061	0.184	81
RM-CU0004SR	4	Solid	0.196	0.196	126
RM-CU0004BC	4	7	0.077	0.232	129
RM-CU0003SR	3	Solid	0.229	0.229	159
RM-CU0003BC	3	7	0.087	0.260	163
RM-CU0002SR	2	Solid	0.259	0.259	201
RM-CU0002BC	2	7	0.097	0.292	205
RM-CU0001AC	1	7	0.109	0.328	259
RM-CU01_0AC	1/0	7	0.123	0.368	326
RM-CU01_0BC	1/0	19	0.074	0.373	326
RM-CU02_0AC	2/0	7	0.138	0.419	411
RM-CU02_0BC	2/0	19	0.084	0.419	411
RM-CU03_0BC	3/0	19	0.094	0.470	518
RM-CU04_0AC	4/0	7	0.174	0.519	653
RM-CU04_0BC	4/0	19	0.106	0.522	653
RM-CU0250AC	250	19	0.115	0.575	720
RM-CU0250BC	250	37	0.082	0.575	722
RM-CU0300BC	300	37	0.090	0.630	925
RM-CU0350BC	350	37	0.097	0.681	1080
RM-CU0400BC	400	37	0.104	0.728	1236
RM-CU0500BC	500	37	0.116	0.813	1542
RM-CU0600AC	600	37	0.127	0.893	1853
RM-CU0600BC	600	61	0.099	0.891	1853
RM-CU0750BC	750	61	0.111	0.998	2316
RM-CU1000BC	1000	61	0.128	1.152	3086

REVISION	DATE	DESCRIPTION	SUBMITTED BY
L	08/24/2020		VM

