

Bare Soft Copper Grounding Conductor

Product Construction:

Complete Conductor:

Bare soft copper grounding conductors are solid or concentric-lay-stranded, consisting of one or more layers of wire wrapped helically around a straight round central wire. Each successive layer has six wires more than the layer immediately beneath. Greater flexibility is afforded by using Class B stranding. The direction of lay for the outer layer is left-hand lay. In multilayer constructions, the direction of lay for each successive layer is reversed. Copper ground wires are manufactured using annealed soft copper wire and are manufactured in accordance with the requirements of the latest applicable issues of the ASTM specifications B3 and B8.

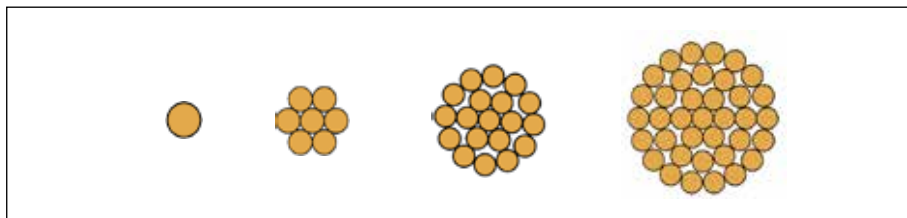
Features and Benefits:

Solid or stranded bare soft copper grounding conductors are suitable for direct burial and are inherently corrosion-resistant and easy to terminate and join at splices and joints.

Applications:

Solid and stranded bare soft copper grounding conductors are suitable for use as neutrals, as circuit grounding conductors as well as machinery and equipment grounding systems. Soft copper may be used for transformer drop leads or other non-tension hook-up jumpers.

For more information, or information on other conductor sizes, designs or specific installation requirements not shown in the tables, contact your General Cable sales representative or e-mail us at infoca@generalcable.com.



CONCENTRIC-LAY-STRANDED BARE SOFT COPPER GROUNDING CONDUCTORS

SIZE (AWG or kcmil)	NO. OF WIRES	OVERALL DIAMETER (INCHES)	RESISTANCE DC @ 20°C (OHMS/1000 FT)	APPROXIMATE WEIGHT (LBS/1000 FT)	STANDARD PACKAGES		
					WOOD REEL DESIGNATION	WEIGHT (POUNDS)	LENGTH (FT)
8	1	0.128	0.628	50	NH 30.18.10	650	11,500
6	1	0.162	0.395	79	NH 30.18.10	1,200	14,400
1/0	7	0.368	0.1002	326	NH 50.32.21	4,300	12,600
1/0	19	0.373	0.1003	326	NH 50.32.21	4,000	11,400
2/0	7	0.414	0.0795	411	NH 50.32.21	4,300	10,000
2/0	19	0.418	0.0795	411	NH 50.32.21	3,800	8,800
3/0	7	0.464	0.0630	518	NH 50.32.21	4,300	7,900
3/0	19	0.470	0.0630	518	NH 50.32.21	3,900	7,100
4/0	7	0.522	0.0499	653	NH 50.32.21	4,500	6,200
4/0	19	0.528	0.0500	653	NH 50.32.21	3,900	5,600
250	19	0.574	0.0423	772	NH 50.32.21	3,900	4,800
250	37	0.575	0.0423	772	NH 50.32.21	4,500	5,500
500	37	0.814	0.0212	1544	NH 50.32.21	4,500	2,800

Dimensions and weights not designated minimum or maximum are nominal values and subject to manufacturing tolerances. In this context, weight means mass.