Bare Copper Ground Wire Conductor

Product Construction:

Complete Conductor:

Bare copper conductors are compressed 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 19 and 37 wire constructions, the direction of lay of each successive layer is reversed. Copper ground wires are manufactured using annealed 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:

Stranded bare soft or annealed copper conductors are suitable for direct burial and do not suffer from the inherent corrosion problems that an aluminum conductor would. Copper is almost twice as conductive as aluminum. Copper is easier than aluminum to terminate and join at splices and joints.

Applications:

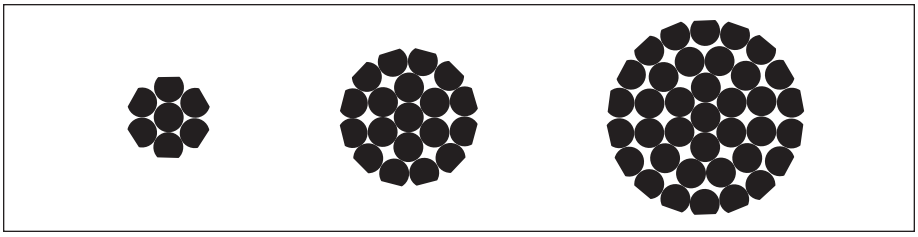
Stranded bare soft or annealed copper conductors are recommended for use as neutrals, in circuit ground connections as well as machinery and equipment grounding systems. Soft copper may not be used for overhead conductor transmission or distribution applications. Soft copper may be used for transformer drop leads or other non-tension hook-up jumpers.

Options:

- Center strand ID marking

Packaging:

The conductor is shipped on non-returnable wood reels of various lengths. Shipping tolerance +/- 5%.



CLASS B COMPRESSED CONCENTRIC-LAY-STRANDED COPPER CONDUCTORS

SIZE AWG OR kcmil	NOMINAL CROSS-SECTIONAL AREA		STRANDING	OVERALL DIAMETER	RESISTANCE DC @ 20°C	NOMINAL WEIGHT	STANDARD PACKAGES		
	Cmil	mm^2	NO. X. DIA. INCHES	INCHES	OHMS/1000 FT	LB/1000 FT	WOOD REEL DESIGNATION	WEIGHT LBS	LENGTH FT
2	66,360	33.62	7 x 0.0974	0.283	0.159	205	NS 45.28	1742	8500
2	66,360	33.62	7 x 0.0974	0.283	0.159	205	NS 45.28	1158	5650
1/0	105,600	53.49	19 x 0.0745	0.362	0.100	326	NS 48.28	2346	7200
1/0	105,600	53.49	19 x 0.0745	0.362	0.100	326	NS 45.28	1345	4125
2/0	133,100	67.43	19 x 0.0837	0.405	0.0795	422	NS 50.32	3165	7500
2/0	133,100	67.43	19 x 0.0837	0.405	0.0795	422	NS 48.28	2320	5500
4/0	211,600	107.2	19 x 0.1055	0.512	0.0500	653	NS 48.28	3102	4750
4/0	211,600	107.2	19 x 0.1055	0.512	0.0500	653	NS 45.28	1796	2750
250	250,000	127	37 x 0.0822	0.558	0.0423	772	NH 54.32	4246	5500
250	250,000	127	37 x 0.0822	0.558	0.0423	772	NS 48.28	2200	2850
350	350,000	177	37 x 0.0973	0.661	0.0302	1081	NS 50.32	2973	2750
400	400,000	203	37 x 0.1040	0.706	0.0264	1235	NS 50.32	3520	2850
500	500,000	253	37 x 0.1162	0.789	0.0212	1544	NS 50.32	3474	2250

Nominal dimensions.
For other conductor sizes and designs not shown in the tables, phone BICC Brand Electric Utility Products or contact us on the Web at info@generalcable.com.