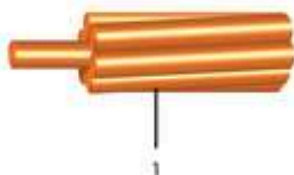


BCW

SOFT DRAWN COPPER STRANDED CONDUCTOR



Construction

1. Conductor : Stranded soft-drawn copper

Reference Standard :

- ASTM B 3 & ASTM B 8

Application

Conductor for grounding system or general use for electrical purposes.

Nominal cross-sectional area mm ²	Calculated cross-sectional area mm ²	No. & dia. of wires No./mm	Overall diameter mm	DC Conductor resistance at 20°C Ω /km (Max.)	Current rating in free air at 40°C ambient A	Cable weight kg/km (Approx.)	Standard length m/drum
6	5.83	7/1.03	3.09	3.08	65	53	1000
10	9.73	7/1.33	3.99	1.83	90	89	1000
16	15.33	7/1.67	5.01	1.15	125	140	1000
25	24.25	7/2.10	6.30	0.727	160	221	1000
35	34.02	19/1.51	7.55	0.524	200	311	1000
50	45.70	19/1.75	8.75	0.387	250	417	1000
70	65.81	19/2.10	10.50	0.268	310	601	1000
95	91.04	19/2.47	12.35	0.193	380	831	1000
120	115.08	37/1.99	13.93	0.153	440	1,053	1000
150	141.93	37/2.21	15.47	0.124	510	1,300	1000
185	177.29	37/2.47	17.29	0.0991	585	1,624	1000
240	233.99	61/2.21	19.89	0.0754	700	2,158	1000
300	292.29	61/2.47	22.23	0.0601	800	2,696	500
400	375.61	61/2.80	25.20	0.0470	900	3,464	500
500	481.44	61/3.17	28.53	0.0366	1,110	4,440	500