Domtech Inc.
40 East Davis Street
Trenton, Ontario
Canada, K8V 6S4
Ph: 613-394-4884
Fax: 613-394-5372
Toll Free: 888-278-8258
www.domtech.net

Boat Cable Multi-Conductor Round, 105C, 600V

Applications: BC-5W2 - For general circuit wiring in marine pleasure craft.

Conductors : 18 AWG to 6 AWG tinned copper.
Insulation: Polyvinyl chloride (PVC)
Voltage Rating : 600V
Temperature Rating: -30°C* to 105°C Dry, 75°C wet, 60°C when exposed to oil.
Flame Rating : VW-1, FT1, FT2
Standards : CSA C22.2 No. 127, CSA C22.2 No. 210, UL 1426, US Coast Guard Title 46, ABYC

Gauge AWG (Strands)	Circuit Conductor Count	Bonding AWG (Strands)	Nominal Insulation Thickness		Nominal Jacket Thickness		Nominal Cable Dimensions		Ampacity**†
			mm	in.	mm	in.	mm	in.	
18 (16)[1]	2	none	0.76	0.030	0.76	0.030	7.47	0.294	20
18 (16)[1]	2	18 (16)	0.76	0.030	0.76	0.030	7.87	0.310	20
18 (16)[1]	3	18 (16)	0.76	0.030	0.76	0.030	8.61	0.339	14
16 (26)[1]	2	none	0.76	0.030	0.76	0.030	8.08	0.318	25
16 (26)[1]	2	16 (26)	0.76	0.030	0.76	0.030	8.56	0.337	25
16 (26)[1]	3	16 (26)	0.76	0.030	0.76	0.030	9.35	0.368	17
14 (41)[1]	2	none	0.76	0.030	0.76	0.030	8.84	0.348	35
14 (41)[1]	2	14 (41)	0.76	0.030	0.76	0.030	9.37	0.369	35
12 (65)[1]	2	none	0.76	0.030	0.76	0.030	9.86	0.388	45
12 (65)[1]	2	12 (65)	0.76	0.030	0.76	0.030	10.52	0.414	45
12 (65)[1]	3	12 (65)	0.76	0.030	0.76	0.030	11.56	0.455	31
10 (104)[1]	2	none	0.76	0.030	0.76	0.030	11.18	0.440	60
10 (104)[1]	2	10 (104)	0.76	0.030	0.76	0.030	11.89	0.468	60
8 (168)[2]	2	none	1.14	0.045	0.76	0.030	15.39	0.606	80
8 (168)[2]	2	8 (168)	1.14	0.045	0.76	0.030	16.48	0.649	80
6 (266)[2]	2	none	1.52	0.060	0.76	0.030	19.15	0.754	120
6 (266)[2]	2	6 (266)	1.52	0.060	1.14	0.045	21.29	0.838	120

Specifications: [1] TEW AWM II A/B BC-5W2, [2] TEW AWM I A/B BC-5W2

* The -30°C low temperature rating indicates that the cables have passed a cold bend test under carefully controlled laboratory conditions. These conditions may or may not reflect actual field conditions. It is therefore recommended that all cables be warmed to at least -10°C before installation.

** Maximum current carrying capacity, excluding intermittent surges, in locations outside engine spaces . For inside engine spaces and other conditions of use derating factors see US Coast Guard regulations Title 33, Chapter I, Parts 183.430 and 183.435 of the CFR.

† Ampacity rating per US Coast Guard regulations Title 33, Chapter I, Part 183.425 for use as boat cable. For other applications, refer to the appropriate electrical code.

Notes: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without notice.