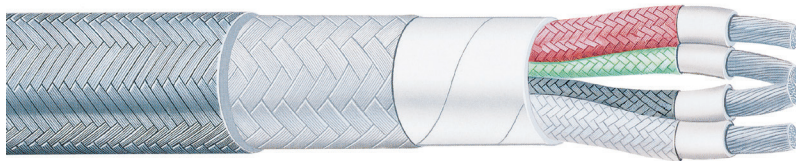


BOSTGARD™

Soaking pit cable / 200° C / 14 to 2/0 AWG / stainless steel armor / 600V



Applications

BOSTGARD™ Soaking Pit Cable is designed and manufactured to provide long life under extreme heat and severe flexing conditions.

Applications include use on ingot transfer cars, scrap charging machines, soaking pit cranes, mud guns, ladle transfer cars, and in severe environmental conditions where extreme heat and abrasion are factors. BOSTGARD™ cables are well suited for flexing applications such as festoon systems and cable reels.

Specifications and Ratings

- Rated for 600 volts
- Suitable for continuous operation at 200°C
- Short-term exposure to temperatures as high as 675°C.



Construction Options

Consult the factory for BOSTGARD™ Cables designed and manufactured in a variety of alternative constructions for specific applications.

Options include:

- Shielded groups
- Overall shields
- Composite conductors

Design Parameters

CONDUCTORS: Extra-flexible stranding (Class K), soft-drawn tinned copper, per ASTM B-33 and ASTM B-172 for high flexibility, extended flex-life, reduced copper fatigue/conductor breakage, corrosion resistance and easy soldering.

INSULATION: Heat-resistant silicone rubber with abrasion-resistant fiberglass braid per ICEA S-19-81 for resistance to extreme heat and abrasion, long service life and reduced downtime.

CABLING AND JACKET: Color-coded conductors are cabled with a flame retardant thermal barrier tape and an overall fiberglass braid jacket for protection from extreme heat, sparks and molten splatter

CABLE ARMOR: Braided stainless steel armor protects cable in critical service applications by providing abrasion and cut-through protection.



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Part Number	Conductor Number	Conductor Size	Stranding	Nominal Insulation Thickness in (mm)	Nominal Cable O.D. in (mm)	Ampacity ¹	Minimum Bend Diameter in (mm)	Approximate Cable Weight Lbs/Mft (Kg/Km)
007884	4	14 AWG	41/30	.045 (1.1)	.60 (15.2)	24	7 (177.8)	245 (365)
007768	6	14 AWG	41/30	.045 (1.1)	.73 (18.5)	24	9 (228.6)	358 (533)
008016	2	12 AWG	65/30	.045 (1.1)	.53 (13.5)	40	7 (177.8)	218 (325)
005631	3	12 AWG	65/30	.045 (1.1)	.56 (14.2)	40	7 (177.8)	241 (359)
007984	4	12 AWG	65/30	.045 (1.1)	.61 (15.5)	32	8 (203.2)	296 (441)
008143	6	12 AWG	65/30	.045 (1.1)	.74 (18.8)	32	9 (228.6)	402 (599)
005688	9	12 AWG	65/30	.045 (1.1)	.96 (24.4)	28	12 (304.8)	585 (871)
005246	12	12 AWG	65/30	.045 (1.1)	.98 (24.9)	28	13 (330.0)	610 (908)
005762	15	12 AWG	65/30	.045 (1.1)	1.12 (28.4)	28	14 (355.6)	750 (1117)
008140	2	10 AWG	105/30	.045 (1.1)	.61 (15.5)	55	7 (177.8)	157 (234)
008141	3	10 AWG	105/30	.045 (1.1)	.64 (16.3)	55	8 (203.2)	315 (469)
007465	4	10 AWG	105/30	.045 (1.1)	.69 (17.5)	44	8 (203.2)	398 (593)
005036	6	10 AWG	105/30	.045 (1.1)	.86 (21.8)	44	12 (304.8)	520 (774)
005660	9	10 AWG	105/30	.045 (1.1)	1.11 (28.2)	38	14 (355.6)	882 (1313)
005679	12	10 AWG	105/30	.045 (1.1)	1.12 (28.4)	38	14 (355.4)	929 (1383)
008137	2	8 AWG	168/30	.060 (1.5)	.76 (19.3)	70	9 (228.6)	400 (596)
008138	3	8 AWG	168/30	.060 (1.5)	.80 (20.3)	70	10 (254.0)	455 (677)
005700	4	8 AWG	168/30	.060 (1.5)	.88 (22.4)	56	11 (279.4)	575 (856)
005567	6	8 AWG	168/30	.060 (1.5)	1.07 (27.2)	56	14 (355.6)	860 (1280)
008133	2	6 AWG	266/30	.060 (1.5)	.83 (21.1)	95	10 (254.0)	495 (737)
007986	3	6 AWG	266/30	.060 (1.5)	.88 (22.4)	95	11 (279.4)	586 (872)
005514	4	6 AWG	266/30	.060 (1.5)	.98 (24.9)	76	12 (304.8)	771 (1149)
005746	6	6 AWG	266/30	.060 (1.5)	1.19 (30.2)	76	15 (381.0)	1107 (1648)
005769	2	4 AWG	420/30	.060 (1.5)	.95 (24.1)	120	12 (304.8)	690 (1027)
008130	3	4 AWG	420/30	.060 (1.5)	1.00 (25.4)	120	12 (304.8)	880 (1310)
007520	4	4 AWG	420/30	.060 (1.5)	1.10 (27.9)	96	14 (355.6)	1079 (1606)
008018	3	2 AWG	665/30	.060 (1.5)	1.14 (29.0)	165	15 (381.0)	1145 (1705)
005499	4	2 AWG	665/30	.060 (1.5)	1.25 (31.8)	132	17 (431.8)	495 (737)
008017	3	1/0 AWG	1045/30	.080 (2.0)	1.44 (36.6)	225	18 (457.2)	1758 (2617)
008121	4	1/0 AWG	1045/30	.080 (2.0)	1.60 (40.6)	180	19 (482.6)	2240 (3335)
005909	4	2/0 AWG	1330/30	.080 (2.0)	1.69 (42.9)	200	21 (533.4)	2766 (4118)

¹Ampacity based on single cable in free air 30°C ambient, 200°C conductor temperature.

The data herein is approximate and subject to normal manufacturing tolerances. These specifications are subject to change without notice.

BOSTGARD color codes

Conductor Number	Base Color	Harsh Color	Conductor Number	Base Color	Harsh Color	Conductor Number	Base Color	Harsh Color
1	Black	---	6	Blue	---	11	White	Orange - Red
2	White	---	7	Brown	---	12	White	Blue - Red
3	Green	---	8	Yellow	---	13	White	Brown - Red
4	Green	---	9	White	Black - Red	14	White	Yellow - Red
5	Orange	---	10	White	Green - Red	15	White	Black - Green

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