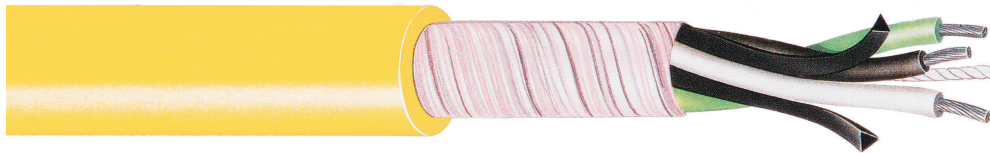


BOSTCORD™ Portable Cord

Extra heavy duty / 90° C / 18, 16, 14, 12 & 10 AWG / thermoset jacket / 600V



Applications

BOSTCORD™ Extra Heavy-Duty Portable Cord is designed and manufactured for use in flexing applications where flame, oils, chemicals, acids, abrasion, moisture, impact, tearing, and extreme temperatures are considerations.

Applications include limit switches, pendant push-button stations, extension cords, foot switches, proximity switches, conveyors, welding carts, retractable reels, and all types of portable tools and equipment.

Specifications and Ratings

- UL listed (E2517) Type SOOW, 600 volts, 90°C dry, water resistant 60°C
- CSA certified (LL231593) Type SOOW, 90°C to -40°C FT1
- MSHA approved



Construction Options

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

Options include:

- Shielded pairs
- Fiber optic
- Overall shields
- Composite conductors

Design Parameters

CONDUCTORS: Extra-flexible stranding (Class M), soft-drawn tinned copper; per ASTM B-33, ASTM B-174, and UL-62 for high flexibility and increased flex-life, easy solderability and corrosion resistance.

SEPARATOR: Paper separator for easy stripping.

INSULATION: Color-coded oil-resistant thermoset 90°C insulation per UL-62 and ANSI/NEMA WC70 ICEA S-95-658 for easy conductor identification, excellent physical/electrical properties and suitability for use in extreme oil and chemical environments.

CABLING: Conductors are cabled with non-wicking, non-hygroscopic, reinforced TPE fillers around a fiber-glass strength member with an overall 100% cotton reinforced binder for increased mechanical strength/ impact resistance and exceptional resistance to oils and chemicals.

JACKET: Available in stock with bright yellow oil and flame resistant thermoset jacket per UL-62 and ANSI/NEMA WC70 ICEA S-95-658 for safety visibility and suitability for indoor/outdoor use in oil and chemical environments where temperature extremes are a consideration.



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Part Number	Conductor Number	Conductor Size	Stranding	Nominal Insulation Thickness in (mm)	Nominal Jacket Thickness in (mm)	Nominal Cable O.D. in (mm)	Ampacity ¹	Minimum Bend Diameter in (mm)	Approximate Cable Weight Lbs/Mft (Kg/Km)
023281	2	18 AWG	41/34	.030 (.76)	.062 (1.6)	.360 (9.14)	14	3 (76.2)	53 (79)
023282	3	18 AWG	41/34	.030 (.76)	.062 (1.6)	.375 (9.53)	14	3 (76.2)	60 (89)
023283	4	18 AWG	41/34	.030 (.76)	.062 (1.6)	.400 (10.2)	11	3 (76.2)	70 (10)
023284	5	18 AWG	41/34	.030 (.76)	.080 (2.0)	.470 (11.9)	11	4 (101.6)	95 (141)
023285	2	16 AWG	65/34	.030 (.76)	.062 (1.6)	.380 (9.65)	18	3 (76.2)	81 (121)
023286	3	16 AWG	65/34	.030 (.76)	.062 (1.6)	.400 (10.2)	18	3 (76.2)	96 (143)
023287	4	16 AWG	65/34	.030 (.76)	.062 (1.6)	.430 (10.9)	14	4 (101.6)	106 (158)
023288	5	16 AWG	65/34	.030 (.76)	.080 (2.0)	.505 (12.8)	14	5 (127.0)	201 (299)
023289	2	14 AWG	105/34	.045 (1.1)	.080 (2.0)	.515 (13.1)	25	4 (101.6)	143 (213)
023290	3	14 AWG	105/34	.045 (1.1)	.080 (2.0)	.540 (13.7)	25	4 (101.6)	157 (234)
023291	4	14 AWG	105/34	.045 (1.1)	.080 (2.0)	.585 (14.9)	20	5 (127.0)	196 (292)
023292	5	14 AWG	105/34	.045 (1.1)	.095 (2.4)	.665 (16.9)	20	6 (152.4)	245 (365)
023293	2	12 AWG	168/34	.045 (1.1)	.095 (2.4)	.590 (15.0)	30	5 (127.0)	181 (269)
023294	3	12 AWG	168/34	.045 (1.1)	.095 (2.4)	.620 (15.7)	30	5 (127.0)	210 (313)
023295	4	12 AWG	168/34	.045 (1.1)	.095 (2.4)	.670 (17.0)	24	5 (127.0)	267 (398)
023296	5	12 AWG	168/34	.045 (1.1)	.095 (2.4)	.725 (18.4)	24	6 (152.4)	320 (476)
023297	2	10 AWG	259/34	.045 (1.1)	.095 (2.4)	.640 (16.3)	39	5 (127.0)	222 (331)
023298	3	10 AWG	259/34	.045 (1.1)	.095 (2.4)	.670 (17.0)	39	5 (127.0)	251 (374)
023299	4	10 AWG	259/34	.045 (1.1)	.095 (2.4)	.730 (18.5)	32	6 (152.4)	329 (490)
023300	5	10 AWG	259/34	.045 (1.1)	.095 (2.4)	.790 (20.1)	32	6 (152.4)	409 (609)

¹Ampacity based on single cable in free air 30°C ambient, 90°C conductor temperature.

BOSTCORD™ color code: 1) Black 2) White 3) Green 4) Red 5) Orange

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