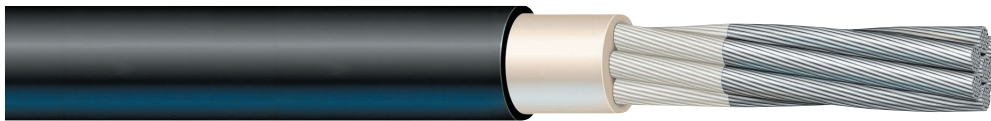


BOSTRAIL® DLO AAR 591 Cable

single conductor / EPR insulation / CSPE jacket / 16 AWG to 1111 KCMIL / 600 or 2000 volt



Applications

These are single conductor 600/2000 volt cables designed for use in powering diesel/electric traction wheels. They consist of an ethylene propylene rubber (EPR) insulated conductor and a chlorosulfonated polyethylene (CSPE) jacket. They meet AAR 591, are highly heat, oil and moisture-resistant, extremely flexible, and can sustain 75°C wet/90°C dry operating temperatures.

Ratings

- Meets AAR 591 specifications

Construction

CONDUCTOR: The conductor is stranded in accordance with AAR specification 591. The wires are soft, annealed copper with a continuous coating of tin (98.0% conductivity) in accordance with ASTM B33.

INSULATION: Ethylene propylene rubber (EPR) to comply with AAR specification 591. Insulation is heat, oil and moisture-resistant and rated for 75°C wet and 90°C dry continuous operating conditions. An opaque polyester tape or other suitable separator is used over the conductor.

JACKET: Chlorosulfonated polyethylene (CSPE) to comply with AAR specification 591. The jacket is bonded to the EPR insulation.

SURFACE MARKING: The jacket surface shall be printed or indented with: DRAKA (sequential footage every two feet).

Prysmian Group

700 Industrial Drive | Lexington, SC 29072 | +1-800-845-8507 | www.prysmiangroup.com

Sales and Distribution:

22 Joseph E. Warner Blvd. | North Dighton, MA 02764 | +1-508-822-5444
One Tamaqua Blvd. | Schuylkill Haven PA 17972 | Tel +1-570-385-4381



A brand of the



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Part Number	Conductor Size	Stranding	Average Insulation Thickness in (mm)	Average Jacket Thickness in (mm)	Minimum Bend Radius in (mm)	Approximate Cable O.D in (mm)	Cable Weight Lbs/Mft (Kg/Km)
D20016	16 AWG	19/W	.047 (1.2)	.020 (0.5)	0.80 (20.3)	0.195 (5.0)	27 (40)
D20014	14 AWG	19/27	.047 (1.2)	.020 (0.5)	0.85 (21.6)	0.210 (5.3)	33 (49)
D20012	12 AWG	19/25	.047 (1.2)	.020 (0.5)	0.95 (24.1)	0.230 (5.8)	43 (64)
D20010	10 AWG	27/24	.047 (1.2)	.020 (0.5)	1.10 (27.9)	0.265 (6.7)	58 (86)
D20008	8 AWG	37/24	.062 (1.6)	.031 (0.8)	1.15 (29.2)	0.340 (8.6)	97 (145)
D20006	6 AWG	61/24	.062 (1.6)	.031 (0.8)	1.60 (40.6)	0.395 (10.0)	140 (209)
D20005	5 AWG	91/24	.062 (1.6)	.031 (0.8)	1.75 (44.5)	0.430 (10.9)	190 (283)
D20004	4 AWG	105/24	.062 (1.6)	.031 (0.8)	1.85 (47.0)	0.455 (11.6)	215 (320)
D20003	3 AWG	125/24	.062 (1.6)	.031 (0.8)	1.95 (49.5)	0.485 (12.3)	250 (373)
D20002	2 AWG	150/24	.062 (1.6)	.031 (0.8)	2.10 (53.3)	0.515 (13.1)	285 (425)
D20001	1 AWG	225/24	.078 (2.0)	.047 (1.2)	2.60 (66.0)	0.650 (16.5)	440 (656)
D201/0	1/0 AWG	275/24	.078 (2.0)	.047 (1.2)	2.80 (71.1)	0.700 (17.8)	520 (775)
D202/0	2/0 AWG	325/24	.078 (2.0)	.047 (1.2)	2.90 (73.7)	0.720 (18.3)	585 (872)
D203/0	3/0 AWG	450/24	.078 (2.0)	.047 (1.2)	3.30 (83.8)	0.825 (21.0)	790 (1177)
D204/0	4/0 AWG	550/24	.078 (2.0)	.047 (1.2)	3.50 (88.9)	0.875 (22.2)	930 (1386)
D20262	262 KCMIL	650/24	.094 (2.4)	.047 (1.2)	3.85 (97.8)	0.960 (24.4)	1085 (1617)
D20313	313 KCMIL	775/24	.094 (2.4)	.047 (1.2)	5.15 (131)	1.030 (26.2)	1285 (1915)
D20373	373 KCMIL	925/24	.094 (2.4)	.047 (1.2)	5.50 (140)	1.100 (27.9)	1500 (2235)
D20444	444 KCMIL	1100/24	.094 (2.4)	.047 (1.2)	5.85 (149)	1.170 (29.7)	1765 (2629)
D20535	535 KCMIL	1325/24	.109 (2.8)	.062 (1.6)	6.55 (166)	1.310 (33.3)	2160 (3218)
D20646	646 KCMIL	1600/24	.109 (2.8)	.062 (1.6)	7.10 (180)	1.420 (36.1)	2540 (3785)
D20777	777 KCMIL	1925/24	.109 (2.8)	.062 (1.6)	7.50 (191)	1.500 (38.1)	3010 (4485)
D20929	929 KCMIL	2300/24	.109 (2.8)	.062 (1.6)	8.05 (205)	1.610 (40.9)	3575 (5327)
D21111	1111 KCMIL	2750/24	.125 (3.2)	.062 (1.6)	8.75 (222)	1.750 (44.5)	4240 (6318)

The data herein is approximate and subject to normal manufacturing tolerances.

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.

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700 Industrial Drive | Lexington, SC 29072 | +1-800-845-8507

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22 Joseph E. Warner Blvd. | North Dighton, MA 02764 | +1-508-822-5444 | www.drakausa.com

One Tamaqua Blvd. | Schuylkill Haven PA 17972 | Tel +1-570-385-4381