



HDPE & PVC ELECTRICAL PIPE SYSTEMS



Perth

P (08) 9306 3344
E sales@davidmoss.com.au
26 Turnbull Road,
Neerabup,WA 6031

Brisbane

P (07) 3865 8318
E brisales@davidmoss.com.au
60 Prosperity Place,
Geebung, QLD 4034

Adelaide

P (08) 9306 3344
E sasales@davidmoss.com.au
15 Maxwell Road,
Pooraka, SA5095

Sydney

P (04) 7455 2295
E nswsales@davidmoss.com.au
Silverwater,
Sydney, NSW 2128

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Using This Brochure

David Moss Group (David Moss) supply this brochure in the interest of better understanding the product ranges David Moss offer. Please contact our sales team if any items you require are not shown in the brochure.

MEASUREMENTS

All measurements in this brochure are in millimeters (mm) unless otherwise specified. All dimensions and measurements are intended as a guide only and may change without notice. Please contact our sales team if you need more information.

David Moss manufacture and supply a wide range or products in house, however can also source and supply associated products via our local and international supply chain partners.



About David Moss

David Moss Group manufactures and supplies HDPE and PVC pipe and fittings. David Moss supplies into a variety of industry sectors, including but not limited to Mining, Industrial, Civil, Irrigation, Utilities, Government, Agricultural and Rural. Incorporated in 1960 in Perth, Western Australia, David Moss Group employs over 140 staff, across 2 manufacturing and fabrication facilities and 3 branch locations; operating via our Perth, Kalgoorlie, Brisbane and Sydney business units, the organisation offers an Australia wide footprint. The Perth, Kalgoorlie and Brisbane locations are pivotal in supporting the ever increasing demand for our products nationally and globally.

Incorporated in 1960 in Perth, Western Australia, David Moss Group employ over 140 staff.

OUR MISSION

Our mission is to deliver sustainable solutions that create and connect communities.

OUR VISION

At David Moss Group, we aspire to be industry leaders by innovating sustainable solutions that enrich the lives of our employees, their families, and our communities. We are dedicated to setting new standards in resource efficiency, waste minimisation, and recycling.

Our collaborative and efficient team exceeds expectations, helping our customers achieve their goals and drive success.

We envision a workplace where every employee thrives, grows, and finds fulfillment in contributing to our collective success.

OUR VALUES

SAFETY

We prioritise the health and well-being of our employees, customers and communities by maintaining a safe work environment and practices.

COLLABORATION

We value teamwork and open communication, working together to achieve common goals and leverage diverse perspectives to drive success.

INTEGRITY

We operate with honesty, transparency and ethical principles, ensuring that our actions reflect our commitment to doing what is right.

INNOVATION

We embrace creativity and forward thinking, continuously seeking and implementing innovative solutions to stay at the forefront of our industry.

SUSTAINABILITY

By integrating sustainable practices into our business model, we aim to minimise our ecological footprint, support the well-being of our planet and ensure that our actions contribute positively to the future of our communities and generations to come.

GROWTH

We are committed to ongoing personal and professional development, embracing challenges and opportunities that enable both individual and organisational advancement.

Dimensions

PIPE CAPACITY OF TRUCKS

COILS		STRAIGHT LENGTHS SDR17 - 20M			
SIZE	COILS PER TRUCK	SIZE	LENGTHS	SIZE	LENGTHS
50mm x 150m	56	110	483	400	38
63mm x 100m	42	125	380	450	30
75mm x 100m	36	140	304	500	24
90mm x 100m	30	160	230	560	19
110mm x 100m	20	180	175	630	15
125mm x 100m	12	225	114	710	11
140mm x 100m	12	250	94	800	9
160mm x 80m	12	280	76	900	6
		315	61	1000	5

Please Note: These are average quantities only. Some trucks may be able to carry more lengths, while some will carry less depending on bolster/gate height. Please also note: extendible trucks maybe subject to weight (21,500 kgs) rather the number of pipes.

PIPE COIL DIMENSIONS

PIPE DIAMETER	COIL			
	OUTSIDE DIAMETER	INSIDE DIAMETER	WIDTH	LENGTH (M)
20	1200	800	220	200
25	1400	800	220	200
32	1440	800	220	200 (up to 2000)
40	1520	800	220	150 (up to 1500)
50	1800	1000	250	150 (up to 1000)
63	1930	1300	300	100 (up to 750)
75	2100	1500	375	100 (up to 500)
90	2620	1900	360	100 (up to 300)
110	3000	2200	440	100 (up to 250)
125	3250	2570	500	60 (up to 100)
140	3400	2570	600	60 (up to 100)
160	3402	2570	640	100

Please Note: The following dimensions are based on volume and not weight. To be used as a guide only.

HDPE - POLYETHYLENE PIPE DIMENSIONS AS PER AS/NZS 4130

OD	SDR 41 / PN 4			SDR 33			SDR 26 / PN 6.3			SDR 21 / PN 8			SDR 17 / PN 10			SDR 13.6 / PN12.5			SDR 11 / PN 16			SDR 9 / PN 20			SDR 7.4 / PN 25			OD
	MEAN ID	MIN WALL	MEAN KG/M	MEAN ID	MIN WALL	MEAN KG/M	MEAN ID	MIN WALL	MEAN KG/M	MEAN ID	MIN WALL	MEAN KG/M	MEAN ID	MIN WALL	MEAN KG/M	MEAN ID	MIN WALL	MEAN KG/M	MEAN ID	MIN WALL	MEAN KG/M	MEAN ID	MIN WALL	MEAN KG/M	MEAN ID	MIN WALL	MEAN KG/M	
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.7	1.6	0.08	12.3	1.8	0.08	11.4	2.2	0.10	16
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.7	1.6	0.10	16.1	1.9	0.11	15.2	2.3	0.13	14.2	2.8	0.16	20
25	-	-	-	-	-	-	-	-	-	-	-	-	21.7	1.6	0.12	21.1	1.9	0.14	20.2	2.3	0.17	19.2	2.8	0.20	17.7	3.5	0.24	25
32	-	-	-	-	-	-	-	-	-	28.7	1.6	0.16	28.1	1.9	0.19	27.0	2.4	0.23	26.0	2.9	0.27	24.5	3.6	0.33	22.8	4.4	0.39	32
40	-	-	-	-	-	-	-	-	-	36.1	1.9	0.24	35.0	2.4	0.29	33.8	3.0	0.36	32.3	3.7	0.43	30.6	4.5	0.51	28.6	5.5	0.60	40
50	-	-	-	-	-	-	-	-	-	45.1	2.4	0.37	43.9	3.0	0.45	42.4	3.7	0.55	40.4	4.6	0.68	38.4	5.6	0.80	35.7	6.9	0.95	50
63	-	-	-	-	-	-	-	-	-	56.9	3.0	0.58	55.2	3.8	0.72	53.3	4.7	0.88	51.0	5.8	1.06	48.2	7.1	1.27	45.1	8.6	1.49	63
75	-	-	-	-	-	-	-	-	-	67.7	3.6	0.83	65.8	4.5	1.02	63.7	5.5	1.23	61.0	6.8	1.48	57.6	8.4	1.78	53.6	10.3	2.12	75
90	-	-	-	-	-	-	-	-	-	81.3	4.3	1.19	79.0	5.4	1.47	76.5	6.6	1.76	73.1	8.2	2.15	69.1	10.1	2.58	64.5	12.3	3.04	90
110	104.7	2.7	0.94	103.2	3.4	1.176	101.3	4.3	1.47	99.2	5.3	1.79	96.5	6.6	2.19	93.4	8.1	2.63	89.4	10.0	3.18	84.5	12.3	3.82	78.6	15.1	4.55	110
125	118.9	3.1	1.24	117.3	3.9	1.520	115.4	4.8	1.85	112.9	6.0	2.28	109.9	7.4	2.79	106.1	9.2	3.41	101.5	11.4	4.13	96.1	14.0	4.93	89.5	17.1	5.85	125
140	133.2	3.5	1.55	131.5	4.3	1.888	129.2	5.4	2.34	126.5	6.7	2.86	123.1	8.3	3.50	118.9	10.3	4.27	113.9	12.7	5.14	107.6	15.7	6.20	100.2	19.2	7.36	140
160	152.3	4.0	2.01	150.4	4.9	2.440	147.6	6.2	3.07	144.5	7.7	3.75	140.7	9.5	4.57	135.9	11.8	5.57	130.0	14.6	6.75	123.1	17.9	8.07	114.7	21.9	9.58	160
180	171.5	4.4	2.50	169.2	5.5	3.088	166.3	6.9	3.82	163.1	8.6	4.62	158.3	10.7	5.78	152.8	13.3	7.07	146.3	16.4	8.54	138.5	20.1	10.21	129.1	24.6	12.11	180
200	190.5	4.9	3.07	187.7	6.2	3.868	184.6	7.7	4.74	180.6	9.6	5.84	175.8	11.9	7.13	170.1	14.7	8.62	162.5	18.2	10.52	153.7	22.4	12.62	143.4	27.3	14.93	200
225	214.4	5.5	3.89	211.5	6.9	4.817	207.9	8.6	5.96	203.3	10.8	7.38	197.8	13.4	9.04	191.1	16.6	11.01	182.9	20.5	13.32	173.2	25.1	15.93	161.3	30.8	18.93	225
250	238.0	6.2	4.87	234.9	7.7	5.974	230.9	9.6	7.38	226.1	11.9	9.03	220.0	14.8	11.08	212.4	18.4	13.56	203.4	22.7	16.38	192.5	27.9	19.64	179.2	34.2	23.36	250
280	266.7	6.9	6.03	263.1	8.6	7.470	258.7	10.7	9.20	253.0	13.4	11.40	246.3	16.6	13.92	237.9	20.6	16.99	227.8	25.4	20.54	215.4	31.3	24.68	200.7	38.3	29.29	280
315	300.2	7.7	7.58	296.0	9.7	9.467	290.9	12.1	11.72	284.9	15.0	14.33	276.6	18.7	17.84	267.6	23.2	21.54	256.3	28.6	26.00	242.4	35.2	31.22	226.1	43.0	36.98	315
355	338.2	8.7	9.64	333.6	10.9	11.969	327.9	13.6	14.81	321.0	16.9	18.19	312.1	21.1	22.44	301.6	26.1	27.29	288.8	32.2	32.99	273.3	39.6	39.56	254.6	48.5	47.00	355
400	380.0	9.8	12.85	375.8	12.3	15.243	369.5	15.3	18.78	361.5	19.1	23.19	351.9	23.7	28.36	339.9	29.4	34.62	325.4	36.3	41.89	307.8	44.7	50.29	287.0	54.6	59.62	400
450	428.9	11.0	15.41	423.0	13.8	19.200	415.8	17.2	23.75	406.8	21.5	29.34	395.9	26.7	35.93	382.4	33.1	43.85	366.1	40.9	53.05	346.5	50.2	63.58	322.8	61.5	75.54	450
500	476.3	12.3	19.18	470.0	15.3	23.678	462.0	19.1	29.30	452.0	23.9	36.19	440.0	29.6	44.26	424.9	36.8	54.11	406.8	45.4	65.46	385.0	55.8	78.47	360.3	67.6	92.35	500
560	533.7	13.7	23.80	526.3	17.2	29.717	517.5	21.4	36.64	506.4	26.7	45.21	492.7	33.2	55.53	475.9	41.2	67.80	455.8	50.8	81.92	430.3	62.5	98.96	403.5	75.7	115.80	560
630	600.4	15.4	30.22	592.2	19.3	37.594	582.1	24.1	46.54	569.8	30.0	57.22	554.4	37.3	70.27	535.0	46.3	86.21	512.6	57.2	103.90	484.1	70.3	125.32	454.0	85.1	146.60	630
710	676.5	17.4	38.45	667.3	21.8	47.775	655.9	27.2	59.15	641.9	33.9	72.85	624.6	42.1	89.37	603.4	52.2	108.99	577.6	64.5	131.97	546.5	79.3	158.33	511.6	95.9	186.17	710
800	762.3	19.6	48.76	752.0	24.5	60.520	739.2	30.6	74.91	723.4	38.1	92.33	703.9	47.4	113.32	680.0	58.8	138.26	651.0	72.5	167.36	615.9	89.3	200.89	576.5	108.1	236.31	800
900	857.8	22.0	61.51	846.0	27.6	76.663	831.7	34.4	94.75	813.9	42.9	116.84	791.7	53.5	143.71	764.9	66.2	175.16	732.4	81.7	211.85	694.0	100.0	253.15	648.5	121.6	299.20	900
1000	952.9	24.5	76.15	940.1	30.6	94.420	924.1	38.2	116.91	904.2	47.7	144.34	879.8	59.3	177.16	852.1	72.5	213.33	814.9	91.0	260.08	771.1	111.1	312.46	720.6	135.1	369.26	1000
1200	1143.1	29.4	109.59	1127.5	36.7	136.292	1108.5	45.9	168.32	1084.7	57.2	207.68	1062.7	70.6	243.30	1020.0	88.2	310.35	975.8	109.1	376.86	924.9	133.3	449.80	864.4	162.2	531.42	1200

SDR – SIZE DIMENSIONAL RATIO, PN – PRESSURE RATING AT 20 DEGREES C AS/NZS 4130:2018

ALL PIPE SIZES AND SDR'S HIGHLIGHTED IN ORANGE UTILISE PREMIUM RESINS DESIGNED SPECIFICALLY FOR THE MANUFACTURE OF LARGE OD OR THICK WALL PIPE.

HDPE & PVC Electrical Pipe Systems

David Moss Group supplies a full range of PE electrical conduit coils for your directional drilling applications. Electrical HDPE coils are available in 50mm, 63mm, 90mm, 110mm, 125mm, 140mm and 160mm OD's, and come in 80m, 100m and 150m lengths as standard. Electrical PVC straight lengths are 4m long and are available in 50mm, 65mm, 80mm, 100mm and 150mm OD's. Special sizes and lengths can be manufactured to suit your project requirements. Fabricated bends, adaptors, fittings and accessories are also available.

Special sizes and
lengths can
be manufactured
to suit your project
requirements.



COMPRESSION COUPLING

SIZE	PN	PACK QUANTITY	PRODUCT CODE
20	16	10	CPC20
25	16	10	CPC25
32	16	10	CPC32
40	16	5	CPC40
50	16	5	CPC50
63	16	2	CPC63



PVC ELECTRICAL CONDUIT (ORANGE)

4M LENGTHS							
NOM OD SIZE	DMIN	DMAX	MEAN BORE	MIN WALL	WEIGHT KG/M	PACK SIZE (STICKS)	PRODUCT CODE
50	49.7	50	42.6	3.7	0.78	280	AQCHD504
63	62.7	63	54.6	4.2	1.15	210	AQCHD634
80	88.7	89.1	79.1	5	1.95	104	AQCHD804
100	114.1	114.5	104.7	4.8	2.4	81	AQCHD1004
150	160	160.5	142.7	8.8	6.1	45	AQCHD1504

HDPE ELECTRICAL CONDUIT LIGHT DUTY (ORANGE)

OUTSIDE DIAMETER (MM)	SDR	DUTY TYPE	COIL LENGTH (M)	WEIGHT (KG)	PRODUCT CODE
50	21	LD	150m	55.1	PE5021150CO
63	21	LD	100m	58.3	PE6313100CO
90	21	LD	100m	175	PE9013100CO
110	21	LD	100m	177.9	PE6321100CO
125	21	LD	100m	229.7	PE12521100CO
140	21	LD	100m	288.1	PE14021100CO
160	21	LD	80m	301.1	PE1602180CO
160	21	LD	100m	376.3	PE16021100CO

HDPE ELECTRICAL CONDUIT STANDARD DUTY (ORANGE)

OUTSIDE DIAMETER (MM)	SDR	DUTY TYPE	COIL LENGTH (M)	WEIGHT (KG)	PRODUCT CODE
50	17	SD	150m	68	PE50I7I50CO
63	17	SD	100m	72	PE63I7I00CO
90	17	SD	100m	146	PE90I7I00CO
110	17	SD	100m	218	PE110I7I00CO
125	17	SD	100m	229.7	PE125I7I00CO
140	17	SD	100m	350	PE140I7I00CO
160	17	SD	80m	301.1	PE160I780CO
160	17	SD	100m	376.3	PE160I7I00CO

HDPE ELECTRICAL CONDUIT HEAVY DUTY (ORANGE)

OUTSIDE DIAMETER (MM)	SDR	DUTY TYPE	COIL LENGTH (M)	WEIGHT (KG)	PRODUCT CODE
50	13.6	HD	150m	82.5	PE50I3I50CO
63	13.6	HD	100m	88	PE63I3I00CO
90	13.6	HD	100m	175	PE90I3I00CO
110	13.6	HD	100m	264	PE110I3I00CO
125	13.6	HD	100m	340	PE125I3I00CO
140	13.6	HD	100m	426	PE140I3I00CO
160	13.6	HD	80m	445	PE160I380CO
160	13.6	HD	100m	556	PE160I3I00CO

HDPE ELECTRICAL CONDUIT VERY HEAVY DUTY (ORANGE)

OUTSIDE DIAMETER (MM)	SDR	DUTY TYPE	COIL LENGTH (M)	WEIGHT (KG)	PRODUCT CODE
50	11	VHD	150m	101	PE50I1I50CO
63	11	VHD	100m	106	PE63I1I00CO
90	11	VHD	100m	119.1	PE90I1I00CO
110	11	VHD	100m	318	PE110I1I00CO
125	11	VHD	100m	412	PE125I1I00CO
140	11	VHD	100m	514	PE140I1I00CO
160	11	VHD	80m	540	PE160I180CO
160	11	VHD	100m	675	PE160I1I00CO

HDPE ELECTRICAL CONDUIT ULTRA HEAVY DUTY (ORANGE)

OUTSIDE DIAMETER (MM)	SDR	DUTY TYPE	COIL LENGTH (M)	WEIGHT (KG)	PRODUCT CODE
50	9	UHD	150m	120	PE5009I50CO
63	9	UHD	100m	127	PE6309I00CO
90	9	UHD	100m	257	PE9009I00CO
110	9	UHD	100m	382	PE11009I00CO
125	9	UHD	100m	493	PE12509I00CO
140	9	UHD	100m	620	PE14009I00CO
160	9	UHD	80m	645.6	PE1600980CO
160	9	UHD	100m	807	PE16009I00CO

Special sizes and lengths
can be manufactured
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Brisbane

P (07) 3865 8318
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60 Prosperity Place,
Geebung, QLD 4034

Adelaide

P (08) 9306 3344
E sasales@davidmoss.com.au

15 Maxwell Road,
Pooraka, SA 5095

Sydney

P (04) 7455 2295
E nswsales@davidmoss.com.au

Silverwater,
Sydney, NSW 2126