

XLPE CABLES
XLPE MULTICORE SWA CIRCULAR 0.6/1 kV

Cable description

3 Core plus Earth Circular Cable, Copper Conductor, X-90 XLPE Insulated, PVC Bedded, Steel Wire Armoured, 5V-90 PVC Sheathed, to AS/NZS 5000.1. **Note: Non Compacted Conductor.**

Characteristics

Catalogue reference	Nominal conductor area mm ²	Approx. diameter over bedding mm	Approx. overall diameter mm	Approx. mass kg/100 m	Min. installed bending radius mm
253CEXLPA	25	21.4	28.2	187	340
353CEXLPA	35	24.0	30.8	229	370
503CEXLPA	50	27.5	34.5	291	415
703CEXLPA	70	31.8	40.0	406	480
953CEXLPA	95	35.6	44.0	504	530
1203CEXLPA	120	39.3	47.9	608	575
1503CEXLPA	150	44.4	54.4	783	655
1853CEXLPA	185	49.6	59.8	949	720
2403CEXLPA	240	56.4	67.0	1198	805
3003CEXLPA	300	62.3	73.3	1447	880

Note: Low Smoke Zero Halogen version available.

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CURRENT RATINGS

3 & 4 CORE (CU) 90°C

Cable description:

3 & 4 Core LV, Non Flexible, Copper Conductor, Insulated and Sheathed (including neutral screened) Cables with or without Earth Conductor, Armoured or Non-Armoured Cables with V-75, V-90, V-90HT PVC, HFI-75-TP or HFI-90-TP LSOH Insulation. Based on AS/NZS 3008.1.1.

Nominal conductor area mm ²	Unenclosed			Enclosed Wiring enclosure in air	Unenclosed thermal insulation		Buried direct	Underground wiring enclosure	Three phase voltage drop (@ 50Hz & 90°C) mV/A.m
	Spaced	Touching	Exposed to sun		Partially surrounded by thermal insulation	Completely surrounded by thermal insulation			
1.0	16	14	13	13	12	7	16	16	46.8
1.5	20	19	16	16	15	9	20	20	30.0
2.5	28	26	23	24	21	13	29	29	16.4
4	38	35	30	30	28	18	37	37	10.2
6	48	45	39	38	36	22	46	46	6.80
10	66	62	53	53	49	31	63	63	4.05
16	88	83	70	68	66	41	110	81	2.55
25	119	111	94	91	89	56	143	107	1.61
35	147	137	115	114	110	69	172	130	1.17
50	180	168	140	136	134	-	204	155	0.868
70	229	213	177	173	170	-	251	193	0.609
95	283	263	217	209	210	-	302	233	0.450
120	330	306	251	246	245	-	344	270	0.366
150	377	350	285	277	280	-	385	304	0.307
185	436	404	327	322	323	-	435	348	0.259
240	517	479	385	386	383	-	504	411	0.216
300	594	549	439	-	-	-	567	463	0.190
400	685	632	502	-	-	-	640	524	0.171
500	779	718	566	-	-	-	714	601	0.158

Note:

Refer to Cable Selection in Technical Cable Guide for more information and data based on AS/NZS 3008.1.1.

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