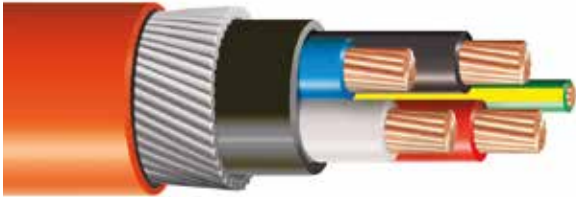


**XLPE CABLES**
**XLPE MULTICORE SWA CIRCULAR 0.6/1 kV**

**Cable description**

4 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 <sup>2</sup>	Approx. diameter over bedding mm	Approx. overall diameter mm	Approx. mass kg/100 m	Min. installed bending radius mm
254CEXLPA	25	23.8	30.6	223	370
354CEXLPA	35	26.8	33.8	278	405
504CEXLPA	50	30.8	38.8	379	465
704CEXLPA	70	35.7	44.1	493	530
954CEXLPA	95	40.0	48.6	624	585
1204CEXLPA	120	44.6	54.6	804	655
1504CEXLPA	150	50.0	60.4	970	725
1854CEXLPA	185	56.4	67.0	1184	805
2404CEXLPA	240	63.5	74.5	1487	895
3004CEXLPA	300	70.2	81.6	1804	980

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 X-90, X-HF-90, R-EP-90, R-HF-90 LSOH Insulation.  
Based on AS/NZS 3008.1.1.

Nominal conductor area mm <sup>2</sup>	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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