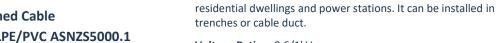




0.6/1kV 4 Core

XLPE Insulated, PVC Sheathed Cable

Description: 0.6/1kV AL/XLPE/PVC ASNZS5000.1



Voltage Rating: 0.6/1kV

Construction: Aluminium 1350, compacted Stranded, Sector-

Application: This cable can be used for mains power supply for

shaped, ASNZS1125

Insulation: XLPE (X-90) Red, White, Blue, Black ASNZS3808

Outer Sheath: Extruded Polyvinyl Chloride Compound

(PVC/SV-90), Colour - Black 1 % Carbon

Bending Radius: 12 x OD



Part Number	No of cores and nominal cross section area [mm]	Insulation Thickness min. Average	Thickness Of PVC Outer sheath	Overall diameter App.	Min. number of wires in conductor	Height of 90 sector- shaped conductor	Net weight	D. C. resistance of conductor 20° (Ω/km)
	No*Section	[mm]	[mm]	[mm]	[mm]	[mm]	[kg/m]	Voltage withstand test(kV)-3.5
450ALXL	4*50	1.0	1.9	28.3	6	8.20	0.837	0.641
470ALXL	4*70	1.1	2.0	32.3	12	9.83	1.170	0.443
495ALXL	4*95	1.1	2.1	36.2	15	11.71	1.541	0.320
4120ALXL	4*120	1.2	2.3	40.0	15	13.18	1.916	0.253
4185ALXL	4*185	1.6	2.6	48.9	30	16.36	2.958	0.164
4240ALXL	4*240	1.7	2.8	55.0	30	18.97	3.781	0.125
4300ALXL	4*300	1.8	3.0	60.0	30	21.02	4.631	0.100
4400ALXL	4*400	2.0	3.3	66.4	53	23.45	5.929	0.078

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of ICSLTD is indicative only and shall not be binding on ICSLTD or be treated as constituting a representation on the part of ICSLTD.



Aluminium Sector

0.6/1kV 4 Core AL/XLPE/PVC ASNZS5000.1

Current Carrying Capacity Three and Four Core X-90

Reference Ambient Temperature: 30°C in air and 15°C in ground

Conductor Size	Unenclosed Spaced	Unenclosed Touching	Unenclosed Exposed to Sun	Enclosed Touching	Buried Direct	Underground wiring enclosure
[mm]		1 ⊗	**************************************			
16	75	70	59	58	91	67
25	102	95	80	78	119	89
35	125	117	98	97	142	108
50	154	143	120	116	170	128
70	196	182	151	147	209	161
95	242	224	185	178	250	194
120	282	262	215	211	286	225
150	322	299	244	238	320	253
185	374	347	281	276	364	291
240	446	413	332	333	423	345
300	514	475	380	-	477	391
400	601	554	440	-	546	446
500	692	637	503	-	617	519

Note: Please be advised that the information contained in this table, along with the typical installation conditions applicable in New Zealand, is sourced from AS/NZS 3008.1.2:2017. This content has been utilised with the express permission of Standards New Zealand under Copyright Licence SZ00025278 and has either been reproduced or adapted.

For comprehensive details, we recommend consulting the entire Standard, which can be obtained for purchase directly from Standards New Zealand via www.standards.co.nz.

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