

# PVC - Insulated Cables



## 0.6/1kV Single Core PVC Sheathed Cable

Description: 0.6/1kV CU/PVC ASNZS5001.1



**Application:** This cable can be used for mains power supply in switchboards and power stations. It can be installed in trenches, cable duct and cable trunking.

**Voltage Rating:** 0.6/1kV

**Construction:** Plain Annealed Copper, Circular Non-Compacted stranded, Class 2, ASNZS1125, Tinned copper option available.

**Outer Sheath:** Extruded Polyvinyl Chloride Compound (PVC/SV-90), Colour – Green Yellow

**Sheath Option:** HFS (Halogen Free) – LSZH

**Bending Radius:** 9 x OD

Part Number	No of cores and nominal cross section area [mm]	Thickness Of PVC Outer sheath	Overall diameter App.	Stranding	Maximum wire OD	Diameter of Conductor	Net weight	D. C. resistance of conductor 20°C (Ω/km)
	No*Section	[mm]	[mm]	[Wires]	[mm]	[mm]	[kg/m]	Voltage withstand test(kV)-3.5
4GY	1*4	1.0	4.8	7/0.85	0.85	2.55	0.054	4.6100
6GY	1*6	1.0	5.3	7/1.04	1.04	3.12	0.074	3.0800
10GY	1*10	1.0	6.3	7/1.35	1.35	4.05	0.115	1.8300
16GY	1*16	1.0	7.3	7/1.70	1.70	5.10	0.173	1.1500
25GY	1*25	1.2	9.0	7/2.12	2.12	6.36	0.266	0.7270
35GY	1*35	1.2	10.2	7/2.52	2.52	7.56	0.365	0.5240
50GY	1*50	1.4	11.9	19/1.78	1.78	8.90	0.494	0.3870
70GY	1*70	1.4	13.7	19/2.14	2.14	10.70	0.695	0.2680
95GY	1*95	1.6	16.0	19/2.52	1.78	12.60	0.933	0.1930
120GY	1*120	1.6	17.6	37/2.03	2.03	14.21	1.195	0.1530
150GY	1*150	1.8	19.6	37/2.25	2.25	15.75	1.469	0.1240
185GY	1*185	2.0	21.8	37/2.52	2.52	17.64	1.84	0.0990
240GY	1*240	2.2	24.9	61/2.25	2.25	20.25	2.407	0.0750
300GY	1*300	2.4	27.7	61/2.52	2.52	22.68	3.01	0.0600
400GY	1*400	2.6	31.1	61/2.85	2.85	25.65	3.832	0.0470
500GY	1*500	3.0	37.9	61/3.20	3.20	28.80	4.501	0.0360
630GY	1*630	3.0	39.0	60/3.76	3.76	30.00	60.8	0.0283

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