

## PVC Armoured Mains



### Wire & Cable Specification

Construction	
Standard	AS/NZS 5000.1
Voltage	0.6/1 kV
Conductor	Copper
Insulation	PVC
Bedding	PVC
Armour	Galvanised steel wire
Sheath	PVC

### Technical Information (Current Rating)

Conductor Size mm <sup>2</sup>	Unenclosed				Buried Direct		Underground Ducts		Voltage Drop mV/A.m	
	Spaced from Surface		Touching		Single Phase	Three Phase	Single Phase	Three Phase	Single Phase	Three Phase
	Single Phase	Three Phase	Single Phase	Three Phase						
1.0	17	15	16	14	24	21	19	17	51.600	44.700
1.5	22	18	21	17	31	26	24	21	33.000	28.600
2.5	31	26	30	25	44	37	34	29	18.000	15.600
4	42	35	39	33	57	48	44	37	11.200	9.710
6	52	46	50	42	72	61	56	47	7.500	6.490
10	73	62	68	58	96	81	75	63	4.460	3.860
16	97	82	91	78	127	106	97	81	2.810	2.430
25	131	111	120	104	160	138	127	106	1.780	1.540

**Note:**

The values in this table have been obtained from AS/NZS 3008.1.2:1998 for typical New Zealand installation conditions of:-

Ambient Air Temperature    30°C  
 Soil Temperature            15°C  
 Soil Thermal Resistivity    1.2 K.m/W  
 Depth of Burial              0.5 m

continued

## Item Codes

Material No.	Old Code	Cores x Area mm <sup>2</sup>	Sheath	Nom Dia mm	Gland Size CW or E1FW	Approx Mass kg/m
<b>Two Core Plus Earth</b>						
DNMP07AA002CXHF	1993	2 x 2.5 + 2.5 E	BK	15.8	20	0.55
DNMP09AA002CXHF	2518	2 x 4 + 2.5 E	BK	17.9	20	0.66
-	9202	2 x 6 + 2.5 E	BK	18.9	25S	0.74
-	1574	2 x 16 + 6 E	BK	23.7	25	1.26
<b>Three Core</b>						
FAMP07AA003CXRJ	4044	3 x 2.5	BK	15.8	20	0.48
FAMP09AA003CXRJ	9512	3 x 4	BK	18.5	20	0.71
-	1341	3 x 6	BK	19.7	20	0.83
-	6770	3 x 10	BK	21.6	25	1.04
-	4898	3 x 16	BK	23.8	25	1.26
FAMV16AA003CXRJ	4566	3 x 25	BK	26.0	32	1.77
<b>Three Core Plus Earth</b>						
FNMP07AA003CXRJ	1558	3 x 2.5 + 2.5 E	BK	17.3	20	0.62
-	3923	3 x 4 + 2.5 E	BK	19.1	25S	0.79
-	6829	3 x 6 + 2.5 E	BK	20.0	25S	0.85
-	9101	3 x 10 + 4 E	BK	22.7	25	1.21
<b>Four Core</b>						
HAMP07AA004CXEM	6865	4 x 2.5	BK	16.7	20	0.54
HAMP09AA004CXEM	2462	4 x 4	BK	19.7	25	0.81
HAMP11AA004CXEM	5161	4 x 6	BK	21.1	25	0.96
-	3951	4 x 10	BK	23.2	25	1.22
<b>Four Core Plus Earth</b>						
-	7464	4 x 2.5 + 2.5 E	BK	18.4	25S	0.70
HNMP09AA004CXEM	3288	4 x 4 + 2.5 E	BK	20.5	25	0.87
-	4824	4 x 6 + 2.5 E	BK	21.7	25	1.00
-	2207	4 x 16 + 6 E	BK	27.6	32	1.78

**Note:** Conductors are circular stranded.  
Conductors 25 mm<sup>2</sup> and above are shaped stranded.

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