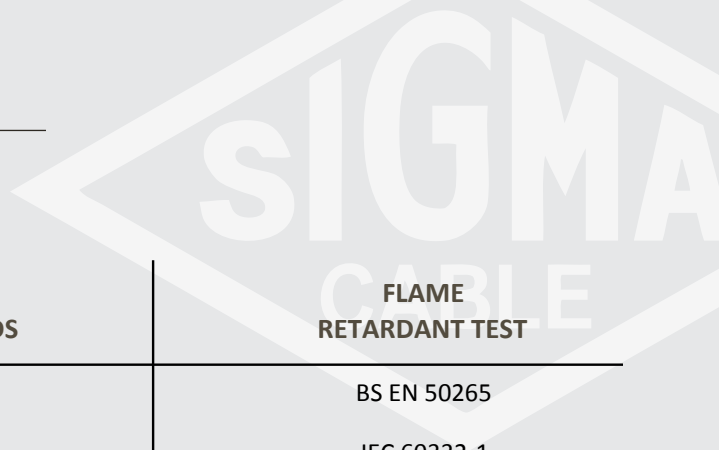


PVC INSULATED AND PVC SHEATHED ARMoured CABLES

Voltage Rating (Uo/U) : 600/1000V or 1900/3300V



Standards Complied

MAIN CABLE SPECIFICATION	MATERIALS TEST METHODS	FLAME RETARDANT TEST
BS 6346	BS EN 10257	BS EN 50265
BS 6360	BS 2627	IEC 60332-1
BS 5099	BS 6469	IEC 60332-3 (Upon customer request)
AS/NZS 5000-1	BS 7655	
IEC 60502		

Colours of Identification

INSULATION:

- 1-core: Brown or Blue
- 2-core: (Brown, Blue) or (Red, Black)
- 3-core: (Brown, Black, Grey) or (Red, Yellow, Blue)
- 4-core: (Brown, Black, Grey, Blue) or (Red, Yellow, Blue, Black)
- 5-core and above: White core with Black number

OVER SHEATH:

Black



- 1 Conductors : Plain annealed stranded copper conductor.
- 2 Insulation : Flame retardant PVC compound.
- 3 Filler (where applicable) : PVC or Polypropylene yarn.
- 4 Binder Tape (where applicable) : Polyester (mylar) tape/ non-woven polyester tape.
- 5 Bedding (for armoured cable) : Flame retardant PVC compound.
- 6 Armouring (for armoured cable) : Aluminium wires or Galvanized steel wires.
- 7 Oversheath : Flame retardant PVC compound.

Table A1

600/1000V 1-CORE PVC INSULATED ARMoured CABLE TO IEC 60502

MODEL: PAP-600S

ALUMINIUM WIRE ARMoured (AWA) CABLE

Size of Conductor mm ²	Nom. Thick. of Insulation mm	Nom. Thick. of Bedding mm	Nom. Dia. of Armour Wire mm	Nom. Thick. of Sheath mm	Approx. OD of Cable mm	Approx. Weight of Cable kg/km
50	1.4	1.0	1.25	1.8	20.1	857
70	1.4	1.0	1.25	1.8	21.9	1103
95	1.6	1.0	1.25	1.8	24.2	1427
120	1.6	1.0	1.60	1.8	26.5	1760
150	1.8	1.0	1.60	1.8	28.5	2094
185	2.0	1.0	1.60	1.8	30.8	2533
240	2.2	1.0	1.60	1.9	34.1	3197
300	2.4	1.0	2.00	2.0	38.0	4016
400	2.6	1.2	2.00	2.1	42.0	5014
500	2.8	1.2	2.00	2.2	45.8	6146
630	2.8	1.2	2.00	2.4	50.1	7662
800	2.8	1.4	2.50	2.5	56.0	9743
1000	3.0	1.4	2.50	2.7	61.4	12011

Table A2

600/1000V 2-CORE PVC INSULATED ARMoured CABLE TO IEC 60502

MODEL: PSP-600M

GALVANIZED STEEL WIRE ARMoured (SWA) CABLE

Size of Conductor mm ²	Nom. Thick. of Insulation mm	Nom. Thick. of Bedding mm	Nom. Dia. of Armour Wire mm	Nom. Thick. of Sheath mm	Approx. OD of Cable mm	Approx. Weight of Cable kg/km
1.5	0.8	1.0	0.90	1.8	14.0	365
2.5	0.8	1.0	0.90	1.8	15.0	418
4	1.0	1.0	0.90	1.8	16.7	534
6	1.0	1.0	1.25	1.8	18.6	707
10	1.0	1.0	1.25	1.8	20.9	880
16	1.0	1.0	1.25	1.8	22.7	1105
25	1.2	1.0	1.60	1.8	26.8	1670
35	1.2	1.0	1.60	1.8	24.9	1628
50	1.4	1.0	1.60	1.9	27.8	2033
70	1.4	1.2	2.00	2.0	31.4	2835
95	1.6	1.2	2.00	2.2	35.5	3611
120	1.6	1.2	2.00	2.3	37.8	4247
150	1.8	1.4	2.50	2.4	42.5	5449
185	2.0	1.4	2.50	2.6	47.1	6522
240	2.2	1.4	2.50	2.8	52.0	8070
300	2.4	1.6	2.50	2.9	57.0	9736
400	2.6	1.6	2.50	3.2	62.5	11853

NOTES: Current Rating & Volt Drop refer to Table T7 & T8 on page 38 & 39.
Conductor for 2-core 240mm² to 400mm² shall be circular compacted.

Table A3

600/1000V 3-CORE PVC INSULATED ARMoured CABLE TO IEC 60502

MODEL: PSP-600M

GALVANIZED STEEL WIRE ARMoured (SWA) CABLE

Size of Conductor mm ²	Nom. Thick. of Insulation mm	Nom. Thick. of Bedding mm	Nom. Dia. of Armour Wire mm	Nom. Thick. of Sheath mm	Approx. OD of Cable mm	Approx. Weight of Cable kg/km
1.5	0.8	1.0	0.90	1.8	14.5	410
2.5	0.8	1.0	0.90	1.8	15.4	476
4.0	1.0	1.0	1.25	1.8	18.2	717
6.0	1.0	1.0	1.25	1.8	19.5	815
10	1.0	1.0	1.25	1.8	21.5	1029
16	1.0	1.0	1.25	1.8	23.8	1305
25	1.2	1.0	1.60	1.8	25.4	1777
35	1.2	1.0	1.60	1.8	27.6	2160
50	1.4	1.0	1.60	2.0	31.1	2762
70	1.4	1.2	2.00	2.1	35.7	3865
95	1.6	1.2	2.00	2.2	40.8	4958
120	1.6	1.2	2.00	2.3	44.4	5913
150	1.8	1.4	2.50	2.5	49.8	7544
185	2.0	1.4	2.50	2.7	54.5	9051
240	2.2	1.6	2.50	2.9	64.8	11584
300	2.4	1.6	2.50	3.1	71.2	14037
400	2.6	1.8	3.15	3.4	79.8	18173

Table A4

600/1000V 4-CORE PVC INSULATED ARMoured CABLE TO IEC 60502

MODEL: PSP-600M

GALVANIZED STEEL WIRE ARMoured (SWA) CABLE

Size of Conductor mm ²	Nom. Thick. of Insulation mm	Nom. Thick. of Bedding mm	Nom. Dia. of Armour Wire mm	Nom. Thick. of Sheath mm	Approx. OD of Cable mm	Approx. Weight of Cable kg/km
1.5	0.8	1.0	0.90	1.8	15.3	462
2.5	0.8	1.0	0.90	1.8	16.4	542
4	1.0	1.0	1.25	1.8	19.4	825
6	1.0	1.0	1.25	1.8	20.8	946
10	1.0	1.0	1.25	1.8	23.1	1210
16	1.0	1.0	1.60	1.8	26.3	1717
25	1.2	1.0	1.60	1.8	28.1	2167
35	1.2	1.0	1.60	1.9	30.5	2674
50	1.4	1.2	2.00	2.1	35.6	3723
70	1.4	1.2	2.00	2.2	39.5	4785
95	1.6	1.4	2.50	2.4	46.5	6666
120	1.6	1.4	2.50	2.5	50.9	7961
150	1.8	1.4	2.50	2.7	55.2	9412
185	2.0	1.6	2.50	2.9	61.4	11492
240	2.2	1.6	2.50	3.1	69.2	14362
300	2.4	1.6	3.15	3.3	70.1	17052
400	2.6	1.8	3.15	3.6	88.1	22951

NOTES: Current Rating & Volt Drop refer to Table T8 on page 39
 Conductor for 240mm² to 400mm² shall be circular compacted.

Table A5

600/1000V MULTI-CORE PVC INSULATED ARMoured CABLE TO IEC 60502

MODEL: PSP-600M

GALVANIZED STEEL WIRE ARMoured (SWA) CABLE

CONDUCTOR		Nom. Thick. of Insulation mm	No. of Core	Nom. Thick. of Bedding mm	Nom. Dia. of Armour Wire mm	Nom. Thick. of Sheath mm	Approx. OD of Cable mm	Approx. Weight of Cable kg/km
Size mm ²	No./Dia. of Wire mm							
1.5	7/0.53	0.8	5	1.0	0.90	1.8	16.6	520
			6	1.0	0.90	1.8	17.6	580
			7	1.0	0.90	1.8	17.6	595
			8	1.0	0.90	1.8	18.5	650
			9	1.0	1.25	1.8	20.3	840
			10	1.0	1.25	1.8	21.6	920
			12	1.0	1.25	1.8	22.0	961
2.5	7/0.67	0.8	19	1.0	1.60	1.8	25.7	1395
			5	1.0	0.90	1.8	17.5	600
			6	1.0	1.25	1.8	19.3	785
			7	1.0	1.25	1.8	19.3	809
			8	1.0	1.25	1.8	20.3	880
			9	1.0	1.25	1.8	21.5	977
			10	1.0	1.25	1.8	23.0	1066
4	7/0.85	1.0	12	1.0	1.25	1.8	23.4	1131
			19	1.0	1.60	1.8	27.3	1654
			5	1.0	1.25	1.8	20.7	898
			6	1.0	1.25	1.8	22.1	1009
			7	1.0	1.25	1.8	22.1	1055
			8	1.0	1.60	1.8	24.1	1300
			9	1.0	1.60	1.8	25.6	1441
10	1.0	1.60	10	1.0	1.60	1.8	27.5	1572
			12	1.0	1.60	1.8	28.0	1688
			19	1.0	1.60	1.9	32.2	2265

NOTE: Current Rating & Volt Drop refer to Table T8 on page 39.

