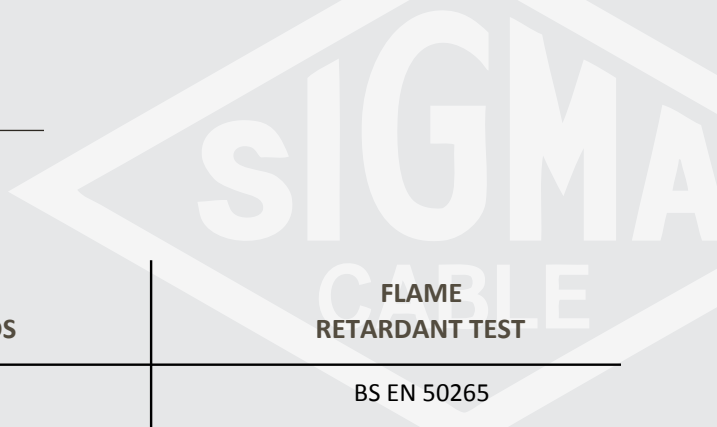


PVC INSULATED AND PVC SHEATHED ARMoured CABLES

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
AS/NZS 5000-1	BS 7655	(Upon customer request)
IEC 60502		

Colours of Identification

INSULATION:

- 1-core: Brown or Blue
- 2-core: (Brown, Blue) or (Red, Black)
- 3-core: (Brown, Blue, Green / Yellow) or (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 or (Brown, Black, Grey, Blue, Green / Yellow)

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 SINGLE-CORE CU/PVC/AWA/PVC CABLE TO IEC 60502-1 (MODEL: PAP-600S)

CONDUCTOR			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
Size mm ²	No./Dia. of Wire mm	Approx. diameter mm						
50	19/1.78	8.90	1.4	1.0	1.25	1.8	20.1	857
70	19/2.14	10.70	1.4	1.0	1.25	1.8	21.9	1103
95	19/2.52	12.60	1.6	1.0	1.25	1.8	24.2	1427
120	37/2.03	14.21	1.6	1.0	1.60	1.8	26.5	1760
150	37/2.25	15.75	1.8	1.0	1.60	1.8	28.5	2094
185	37/2.52	17.64	2.0	1.0	1.60	1.8	30.8	2533
240	61/2.25	20.25	2.2	1.0	1.60	1.9	34.1	3197
300	61/2.52	22.68	2.4	1.0	2.00	2.0	38.0	4016
400	61/2.85	25.62	2.6	1.2	2.00	2.1	42.0	5014
500	61/3.20	28.80	2.8	1.2	2.00	2.2	45.8	6146
630	127/2.52	32.76	2.8	1.2	2.00	2.4	50.1	7662
800	127/2.85	37.05	2.8	1.4	2.50	2.5	56.0	9743
1000	127/3.20	41.60	3.0	1.4	2.50	2.7	61.4	12011

Table A2

600/1000V 2-CORE CU/PVC/SWA/PVC CABLE TO IEC 60502-1 (MODEL: PSP-600M)

CONDUCTOR			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
Size mm ²	No./Dia. of Wire mm	Approx. diameter mm						
1.5	7/0.53 CR	1.59	0.8	1.0	0.90	1.8	14.0	365
2.5	7/0.67 CR	2.01	0.8	1.0	0.90	1.8	15.0	418
4	7/0.85 CR	2.55	1.0	1.0	0.90	1.8	16.7	534
6	7/1.04 CR	3.12	1.0	1.0	1.25	1.8	18.6	707
10	7/1.35 CR	4.05	1.0	1.0	1.25	1.8	20.9	880
16	7/1.70 CR	5.10	1.0	1.0	1.25	1.8	22.7	1105
25	7/2.14 CR	6.42	1.2	1.0	1.60	1.8	26.8	1670
35	19/1.53 SS	-	1.2	1.0	1.60	1.8	24.9	1628
50	19/1.78 SS	-	1.4	1.0	1.60	1.9	27.8	2033
70	19/2.14 SS	-	1.4	1.2	2.00	2.0	31.4	2835
95	19/2.52 SS	-	1.6	1.2	2.00	2.2	35.5	3611
120	37/2.03 SS	-	1.6	1.2	2.00	2.3	37.8	4247
150	37/2.25 SS	-	1.8	1.4	2.50	2.4	42.5	5449
185	37/2.52 SS	-	2.0	1.4	2.50	2.6	47.1	6522
240	37/2.88 SS	-	2.2	1.4	2.50	2.8	52.0	8070
300	61/2.52 SS	-	2.4	1.6	2.50	2.9	57.0	9736
400	61/2.85 SS	-	2.6	1.6	2.50	3.2	62.5	11853

NOTES: Current Rating & Volt Drop refer to Table T7, T7a, T8 & T8a

Table A3

600/1000V 3-CORE CU/PVC/SWA/PVC CABLE TO IEC 60502-1 (MODEL: PSP-600M)

CONDUCTOR			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
Size mm ²	No./Dia. of Wire mm	Approx. diameter mm						
1.5	7/0.53 CR	1.59	0.8	1.0	0.90	1.8	14.5	410
2.5	7/0.67 CR	2.01	0.8	1.0	0.90	1.8	15.4	476
4.0	7/0.85 CR	2.55	1.0	1.0	1.25	1.8	18.2	717
6.0	7/1.04 CR	3.12	1.0	1.0	1.25	1.8	19.5	815
10	7/1.35 CR	4.05	1.0	1.0	1.25	1.8	21.5	1029
16	7/1.70 CR	5.10	1.0	1.0	1.25	1.8	23.8	1305
25	7/2.14 SS	-	1.2	1.0	1.60	1.8	25.4	1777
35	19/1.53 SS	-	1.2	1.0	1.60	1.8	27.6	2160
50	19/1.78 SS	-	1.4	1.0	1.60	2.0	31.1	2762
70	19/2.14 SS	-	1.4	1.2	2.00	2.1	35.7	3865
95	19/2.52 SS	-	1.6	1.2	2.00	2.2	40.8	4958
120	37/2.03 SS	-	1.6	1.2	2.00	2.3	44.4	5913
150	37/2.25 SS	-	1.8	1.4	2.50	2.5	49.8	7544
185	37/2.52 SS	-	2.0	1.4	2.50	2.7	54.5	9051
240	37/2.88 SS	-	2.2	1.6	2.50	2.9	64.8	11584
300	61/2.52 SS	-	2.4	1.6	2.50	3.1	71.2	14037
400	61/2.85 SS	-	2.6	1.8	3.15	3.4	79.8	18173

Table A4

600/1000V 4-CORE CU/PVC/SWA/PVC CABLE TO IEC 60502-1 (MODEL: PSP-600M)

CONDUCTOR			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
Size mm ²	No./Dia. of Wire mm	Approx. diameter mm						
1.5	7/0.53 CR	1.59	0.8	1.0	0.90	1.8	15.3	462
2.5	7/0.67 CR	2.01	0.8	1.0	0.90	1.8	16.4	542
4	7/0.85 CR	2.55	1.0	1.0	1.25	1.8	19.4	825
6	7/1.04 CR	3.12	1.0	1.0	1.25	1.8	20.8	946
10	7/1.35 CR	4.05	1.0	1.0	1.25	1.8	23.1	1210
16	7/1.70 CR	5.10	1.0	1.0	1.60	1.8	26.3	1717
25	7/2.14 SS	-	1.2	1.0	1.60	1.8	28.1	2167
35	19/1.53 SS	-	1.2	1.0	1.60	1.9	30.5	2674
50	19/1.78 SS	-	1.4	1.2	2.00	2.1	35.6	3723
70	19/2.14 SS	-	1.4	1.2	2.00	2.2	39.5	4785
95	19/2.52 SS	-	1.6	1.4	2.50	2.4	46.5	6666
120	37/2.03 SS	-	1.6	1.4	2.50	2.5	50.9	7961
150	37/2.25 SS	-	1.8	1.4	2.50	2.7	55.2	9412
185	37/2.52 SS	-	2.0	1.6	2.50	2.9	61.4	11492
240	37/2.88 SS	-	2.2	1.6	2.50	3.1	69.2	14362
300	61/2.52 SS	-	2.4	1.6	3.15	3.3	70.1	17052
400	61/2.85 SS	-	2.6	1.8	3.15	3.6	88.1	22951

NOTES: Current Rating & Volt Drop refer to Table T8 & T8a

Table A5

600/1000V MULTI-CORE CU/PVC/SWA/PVC CABLE TO IEC 60502-1 (MODEL: PSP-600M)

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
			20	1.0	1.60	1.8	26.7	1414
2.5	7/0.67	0.8	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
			12	1.0	1.25	1.8	23.4	1131
			20	1.0	1.60	1.8	28.4	1683

NOTE: Current Rating & Volt Drop refer to Table T8 & T8a

