

PVC Insulated & PVC Sheathed Cables to BS 6346

(1) 6941X 600/1000V, Single-Core, PVC Insulated & PVC Sheathed Cables Unarmoured or Wire-Armoured to BS 6346

Conductor	Nominal Thickness of Insulation	Unarmoured Cable			Wire-Armoured Cables				
		Nominal Thickness of Sheath	Nominal Overall Dia.	Approx. Weight	Nominal Thickness of Bedding	Armour Wire Dia.	Nominal Thickness of Oversheath	Nominal Overall Dia.	Approx. Weight
mm ²	mm	mm	mm	kg/km	mm	mm	mm	mm	kg/km
50	1.4	1.4	14.8	600	0.8	1.25	1.5	19.1	780
70	1.4	1.4	16.8	800	0.8	1.25	1.6	21.1	1020
95	1.6	1.5	19.2	1105	0.8	1.25	1.6	23.4	1350
120	1.6	1.5	21.0	1360	1.0	1.6	1.7	26.3	1700
150	1.8	1.6	23.0	1658	1.0	1.6	1.7	28.3	2050
185	2.0	1.7	25.5	2060	1.0	1.6	1.8	30.8	2500
240	2.2	1.8	29.0	2650	1.0	1.6	1.9	34.1	3160
300	2.4	1.9	32.0	3300	1.0	1.6	1.9	37.0	3830
400	2.6	2.0	36.0	4200	1.2	2.0	2.1	42.0	4930
500	2.8	2.1	40.0	5205	1.2	2.0	2.1	45.6	6030
630	2.8	2.2	44.0	6630	1.2	2.0	2.2	49.7	7529
800	2.8	2.3	48.0	8380	1.4	2.5	2.4	55.8	9630
1000	3.0	2.5	54.0	10500	1.4	2.5	2.5	61.0	11830

(2) 6942X 600/1000V, Two-Core, PVC Insulated & PVC Sheathed Cables Unarmoured or Wire-Armoured to BS 6346

Conductor	Nominal Thickness of Insulation	Unarmoured Cables			Wire-Armoured Cables				
		Nominal Thickness of Sheath	Nominal Overall Dia.	Approx. Weight	Nominal Thickness of Bedding	Armour Wire Dia.	Nominal Thickness of Oversheath	Nominal Overall Dia.	Approx. Weight
mm ²	mm	mm	mm	kg/km	mm	mm	mm	mm	kg/km
1.5	0.8	—	—	—	0.8	0.9	1.4	12.0	280
2.5	0.8	—	—	—	0.8	0.9	1.4	13.6	350
4	1.0	—	—	—	0.8	0.9	1.4	15.1	430
6	1.0	—	—	—	0.8	0.9	1.5	16.5	510
10	1.0	1.8	17	390	0.8	1.25	1.6	20.1	820
16	1.0	1.8	19	550	0.8	1.25	1.6	21.9	1020
25	1.2	1.8	19	730	1.0	1.6	1.7	23	1400
35	1.2	1.8	20	950	1.0	1.6	1.8	25	1700
50	1.4	1.8	21	1200	1.0	1.6	1.9	28	2000
70	1.4	1.9	28	1900	1.0	1.6	1.9	31	2600
95	1.6	2.0	30	2300	1.2	2.0	2.1	36	3700
120	1.6	2.1	33	2900	1.2	2.0	2.2	39	4400
150	1.8	2.2	36	3450	1.2	2.0	2.3	42	5200
185	2.0	2.4	44	4300	1.4	2.5	2.4	47	6500
240	2.2	2.5	50	5600	1.4	2.5	2.5	55	8250
300	2.4	2.7	54	7000	1.6	2.5	2.7	66	10250
400	2.6	2.9	60	9000	1.6	2.5	2.9	73	12000

PVC Insulated & PVC Sheathed Cables to BS 6346

**(3) 6943X 600/1000V, Three-Core, PVC Insulated & PVC Sheathed Cables
Unarmoured or Wire-Armoured to BS 6346**

Conductor	Nominal Thickness of Insulation	Unarmoured Cables			Wire-Armoured Cables				
		Nominal Thickness of Sheath	Nominal Overall Dia.	Approx. Weight	Nominal Thickness of Bedding	Armour Wire Dia.	Nominal Thickness of Oversheath	Nominal Overall Dia.	Approx. Weight
mm ²	mm	mm	mm	kg/km	mm	mm	mm	mm	kg/km
1.5	0.6	1.8	12	160	0.8	0.9	1.4	12.1	310
2.5	0.7	1.8	13	210	0.8	0.9	1.4	13.1	340
4	1.0	1.8	14	300	0.8	0.9	1.4	15.5	520
6	1.0	1.8	15	380	0.8	1.25	1.5	18	715
10	1.0	1.8	18	500	0.8	1.25	1.6	21.5	965
16	1.0	1.8	20	680	0.8	1.25	1.6	23.5	1175
25	1.2	1.8	22	1020	1.0	1.6	1.7	26.5	1815
35	1.2	1.8	24	1340	1.0	1.6	1.8	28.5	2215
50	1.4	1.8	27	1780	1.0	1.6	1.9	33.5	2805
70	1.4	1.9	31	2460	1.2	2.0	2.0	38	3900
95	1.6	2.1	36	3360	1.2	2.0	2.1	44	4990
120	1.6	2.2	40	4170	1.2	2.0	2.2	48	5950
150	1.8	2.3	44	5090	1.4	2.5	2.4	54	7850
185	2.0	2.5	48	6370	1.4	2.5	2.5	58	9105
240	2.2	2.6	57	8460	1.6	2.5	2.6	67	11700
300	2.4	2.8	63	10350	1.6	2.5	2.8	71	13800
400	2.6	3.1	70	13150	1.6	3.15	3.0	78	18890

**(4) 6944X 600/1000V, Four-Core, PVC Insulated & PVC Sheathed Cables
Unarmoured or Wire-Armoured to BS 6346**

Conductor	Nominal Thickness of Insulation	Unarmoured Cables			Wire-Armoured Cables				
		Nominal Thickness of Sheath	Nominal Overall Dia.	Approx. Weight	Nominal Thickness of Bedding	Armour Wire Dia.	Nominal Thickness of Oversheath	Nominal Overall Dia.	Approx. Weight
mm ²	mm	mm	mm	kg/km	mm	mm	mm	mm	kg/km
1.5	0.6	1.8	12	200	0.8	0.9	1.4	13.5	350
2.5	0.7	1.8	13	260	0.8	0.9	1.4	15	430
4	0.8	1.8	15	380	0.8	1.25	1.5	17.8	680
6	0.8	1.8	17	460	0.8	1.25	1.5	19.2	800
10	1.0	1.8	18.6	665	0.8	1.25	1.6	22.8	1100
16	1.0	1.8	20	930	1.0	1.6	1.7	26.5	1600
25	1.2	1.8	23.5	1320	1.0	1.6	1.8	27.8	2100
35	1.2	1.8	26.5	1745	1.0	1.6	1.9	30.5	2650
50	1.4	1.9	29.5	2430	1.2	2.0	2.0	35.4	3650
70	1.4	2.0	33.0	3230	1.2	2.0	2.1	39.2	4000
95	1.6	2.2	39.2	4380	1.2	2.0	2.2	44.3	6050
120	1.6	2.3	42.2	5400	1.4	2.5	2.4	49.3	7555
150	1.8	2.5	47	6735	1.4	2.5	2.5	53.6	9050
185	2.0	2.6	52.5	8260	1.6	2.5	2.6	59.0	11000
240	2.2	2.8	60	10650	1.6	2.5	2.8	71	13950
300	2.4	3.1	66	13205	1.6	2.5	3.0	79	17000
400	2.6	3.3	76	19985	1.8	3.15	3.3	87	22000

PVC Insulated & PVC Sheathed Cables to BS 6346

(5) 600/1000V, Multi-Core, PVC Insulated & PVC Sheathed Cables Armoured to BS 6346

No. of Cores	Conductor Construction		Nominal Thickness of Insulation	Nominal Thickness of Bedding	Armour Wire Dia.	Nominal Thickness of Oversheath	Nominal Overall Dia.	Approx. Weight
	Size	No./Dia. of Wires						
No.	mm ²	No./mm	mm	mm	mm	mm	mm	kg/km
5	1.5	7/0.53	0.6	0.8	0.9	1.4	13.8	390
6				0.8	0.9	1.4	14.2	445
7				0.8	0.9	1.4	14.5	460
8				0.8	0.9	1.5	15.4	520
9				0.8	1.25	1.5	17.5	670
10				0.8	1.25	1.5	18.1	685
12				0.8	1.25	1.5	18.6	740
19				0.8	1.25	1.6	21.2	995
20				0.8	1.25	1.6	22.5	1100
24				1.0	1.6	1.7	22.5	1450
27				1.0	1.6	1.7	25.9	1480
30				1.0	1.6	1.7	26.1	1520
35				1.0	1.6	1.8	27.1	1820
37				1.0	1.6	1.8	28.5	1880
40				1.0	1.6	1.8	29.8	1950
48				1.0	1.6	1.9	31.5	2250
50				1.0	1.6	1.9	32.9	2270
5	2.5	7/0.67	0.7	0.8	0.9	1.5	15.5	495
6				0.8	1.25	1.5	16	590
7				0.8	1.25	1.5	16.5	650
8				0.8	1.25	1.5	18.5	740
9				0.8	1.25	1.6	21	880
10				0.8	1.25	1.6	21.5	970
12				0.8	1.25	1.6	22.5	1050
19				1.0	1.6	1.7	25.5	1550
20				1.0	1.6	1.8	27.5	1670
24				1.0	1.6	1.8	30.5	1950
27				1.0	1.6	1.8	29.5	1990
30				1.0	1.6	1.9	32.5	2200
35				1.0	1.6	1.9	33.5	2470
37				1.0	1.6	1.9	34.5	2500
40				1.2	2.0	2.0	37.5	2990
48				1.2	2.0	2.1	40.5	3450
50				1.2	2.0	2.1	41.5	3490
5	4	7/0.85	0.8	0.8	1.25	1.5	19.5	790
6				0.8	1.25	1.6	21.5	907
7				0.8	1.25	1.6	21.5	930
8				0.8	1.25	1.6	22.5	1050
9				1.0	1.25	1.7	25.5	1350
10				1.0	1.6	1.7	27.1	1430
12				1.0	1.6	1.7	27.5	1595
19				1.0	1.6	1.8	31.5	2090
20				1.0	1.6	1.9	32.5	2205
24				1.0	1.6	1.9	36.5	2605
27				1.2	2.0	2.0	37.5	3070

PVC Insulated & PVC Sheathed Cables to BS 6346

(6) 1900/3300V Single-Core, PVC Insulated & PVC Sheathed Cables Armoured to BS 6346

Conductor			Wire-Armoured Cables				
Nominal Area of Conductor	No. and Dia. of Wires	Nominal Thickness of Insulation	Nominal Thickness of Bedding	Armour Wire Dia.	Nominal Thickness of Oversheath	Nominal Overall Dia.	Approx. Weight
mm ²	No./mm	mm	mm	mm	mm	mm	kg/km
50	19/1.78	2.2	0.8	1.25	1.6	21.0	1100
70	19/2.14	2.2	0.8	1.25	1.6	23.0	1400
95	19/2.52	2.2	1.0	1.6	1.7	26.0	1900
120	37/2.03	2.2	1.0	1.6	1.7	28.0	2150
150	37/2.25	2.2	1.0	1.6	1.8	30.0	2500
185	37/2.52	2.2	1.0	1.6	1.8	32.0	3000
240	61/2.25	2.2	1.0	1.6	1.9	34.0	3600
300	61/2.52	2.4	1.0	1.6	1.9	37.0	4300
400	61/2.85	2.6	1.2	2.0	2.1	42.0	5700
500	61/3.20	2.8	1.2	2.0	2.1	46.0	6800
630	127/2.52	2.8	1.2	2.0	2.2	50.0	8400
800	127/2.85	2.8	1.4	2.0	2.4	56.0	10500
1000	127/3.20	3.0	1.4	2.5	2.5	61.0	13500

(7) 1900/3300V Three-Core, PVC Insulated & PVC Sheathed Cables Armoured to BS 6346

Conductor			Wire-Armoured Cables				
Nominal Area of Conductor	No. and Dia. of Wires	Nominal Thickness of Insulation	Nominal Thickness of Bedding	Armour Wire Dia.	Nominal Thickness of Oversheath	Nominal Overall Dia.	Approx. Weight
mm ²	No./mm	mm	mm	mm	mm	mm	kg/km
16	7/1.70	2.2	1.0	1.6	1.8	30.5	1755
25	7/2.14	2.2	1.0	1.6	1.8	33.5	2100
35	19/1.53	2.2	1.0	1.6	1.9	32.5	2500
50	19/1.78	2.2	1.2	2.0	2.0	36.0	3500
70	19/2.14	2.2	1.2	2.0	2.1	39.5	4200
95	19/2.52	2.2	1.2	2.0	2.2	43.0	5100
120	37/2.03	2.2	1.4	2.5	2.3	47.0	6500
150	37/2.25	2.2	1.4	2.5	2.4	50.0	7600
185	37/2.52	2.2	1.4	2.5	2.5	53.0	8800
240	37/2.88	2.2	1.6	2.5	2.6	58.0	10800
300	61/2.52	2.4	1.6	2.5	2.8	63.0	13000
400	61/2.85	2.6	1.6	2.5	3.0	70.5	17000

* Cables having conductors of 35 mm² and above have shaped stranded conductor