

Armoured PVC Control Cable IS : 1554 (Pt - I) - 1988

No. of Cores & Cross Sectional Area NO x mm ²	Thickness of PVC Insulation (Nom.) mm	Thickness of Innersheath (min.) Extruded mm	STRIP ARMoured CABLE				WIRE ARMoured CABLE				Standard Delivery Length in Mtrs.	Current Rating	
			Strip Size mm	Thickness of PVC Outer sheath (Min) mm	Approx. OD mm	Approx. Net weight of Cable Kg / km	Round Wire Dia mm	Thickness of PVC Outer sheath (Min) mm	Approx. OD mm	Approx. Net Weight of Cable Kg / Km		Direct in Ground Amps	In Air/ Duct. Amps
2 x 1.5	0.8	0.3	—	—	—	—	1.4	1.24	13.6	415	1000	23	20
3 x 1.5	0.8	0.3	—	—	—	—	1.4	1.24	14.1	430	1000	21	17
4 x 1.5	0.8	0.3	—	—	—	—	1.4	1.24	15.0	490	1000	21	17
5 x 1.5	0.8	0.3	—	—	—	—	1.4	1.24	15.9	545	1000	16	14
6 x 1.5	0.8	0.3	—	—	—	—	1.4	1.24	16.9	605	1000	15	13
7 x 1.5	0.8	0.3	—	—	—	—	1.4	1.24	16.9	630	1000	14	13
10 x 1.5	0.8	0.3	—	—	—	—	1.4	1.40	20.6	835	1000	13	11
12 x 1.5	0.8	0.3	4 x 0.8	1.24	19.5	760	1.6	1.40	21.5	950	1000	12	10
14 x 1.5	0.8	0.3	4 x 0.8	1.40	20.8	830	1.6	1.40	22.4	1040	1000	11	10
16 x 1.5	0.8	0.3	4 x 0.8	1.40	21.7	920	1.6	1.40	23.3	1130	1000	11	9
19 x 1.5	0.8	0.3	4 x 0.8	1.40	23.1	1040	1.6	1.40	24.7	1265	1000	10	9
24 x 1.5	0.8	0.3	4 x 0.8	1.40	26.4	1250	1.6	1.40	28.0	1510	1000	9	8
27 x 1.5	0.8	0.3	4 x 0.8	1.40	26.9	1355	1.6	1.40	28.5	1610	1000	9	8
30 x 1.5	0.8	0.3	4 x 0.8	1.40	27.8	1430	1.6	1.40	29.4	1700	1000	9	7
37 x 1.5	0.8	0.3	4 x 0.8	1.40	29.7	1670	1.6	1.40	31.3	1960	1000	8	7
2 x 2.5	0.9	0.3	—	—	—	—	1.4	1.24	14.8	500	1000	32	27
3 x 2.5	0.9	0.3	—	—	—	—	1.4	1.24	15.4	520	1000	27	24
4 x 2.5	0.9	0.3	—	—	—	—	1.4	1.24	16.4	590	1000	27	24
5 x 2.5	0.9	0.3	—	—	—	—	1.4	1.24	17.5	660	1000	23	19
6 x 2.5	0.9	0.3	—	—	—	—	1.4	1.24	18.7	745	1000	21	18
7 x 2.5	0.9	0.3	—	—	—	—	1.4	1.24	18.7	780	1000	20	17
10 x 2.5	0.9	0.3	4 x 0.8	1.40	21.8	900	1.6	1.40	23.4	1110	1000	18	15
12 x 2.5	0.9	0.3	4 x 0.8	1.40	22.8	1020	1.6	1.40	24.4	1240	1000	17	14
14 x 2.5	0.9	0.3	4 x 0.8	1.40	23.8	1130	1.6	1.40	25.4	1340	1000	16	13
16 x 2.5	0.9	0.3	4 x 0.8	1.40	24.9	1210	1.6	1.40	26.5	1455	1000	15	13
19 x 2.5	0.9	0.3	4 x 0.8	1.40	26.1	1355	1.6	1.40	27.7	1605	1000	14	12
24 x 2.5	0.9	0.3	4 x 0.8	1.40	30.0	1655	1.6	1.56	32.0	1970	1000	13	11
27 x 2.5	0.9	0.3	4 x 0.8	1.40	30.6	1770	1.6	1.56	32.6	2100	1000	12	10
30 x 2.5	0.9	0.3	4 x 0.8	1.56	32.0	1940	1.6	1.56	33.6	2250	1000	12	10
37 x 2.5	0.9	0.4	4 x 0.8	1.56	34.7	2300	2.0	1.56	37.1	2900	1000	11	9

Construction

1. Solid / Stranded annealed copper conductor & Tinned / Bare
2. General Purpose / HR PVC insulation
3. Cores laid up (filled if needed)
4. FRLS / General Purpose PVC inner sheath
5. Armouring round Galvanised Steel wires / strips
6. FRLS / General purpose PVC Outersheath

Max. Conductor D.C. Resistance at 20 Deg C - Conductor Size :

- 1.5 sq.mm - 12.1 Ohm / km (Bare), 12.2 W / km (Tinned)
 2.5 sq.mm - 7.41 Ohm / km (Bare), 7.56 W / km (Tinned)

* Dimensions specified are with stranded conductor.

Unarmoured PVC Control Cable IS : 1554 (Pt - I) - 1988

No. of Cores & Cross Sectional Area NO x mm2	Thickness of PVC Insulation (Nom.) mm	Thickness of PVC Innersheath (min.) Extruded mm	Thickness of PVC Outersheath (Nom.) mm	Approx. O.D. mm	Approx. Net Weight of Cable Kg / Km	Standard Delivery Length in Mtrs.	Current Rating	
							Direct in Ground Amps.	In Air / Duct Amps.
2 x 1.5	0.8	0.3	1.8	11.8	185	1000	23	20
3 x 1.5	0.8	0.3	1.8	12.3	190	1000	21	17
4 x 1.5	0.8	0.3	1.8	13.2	225	1000	21	17
5 x 1.5	0.8	0.3	1.8	14.1	260	1000	16	14
6 x 1.5	0.8	0.3	1.8	15.1	295	1000	15	13
7 x 1.5	0.8	0.3	1.8	15.1	315	1000	14	13
10 x 1.5	0.8	0.3	1.8	18.4	425	1000	13	11
12 x 1.5	0.8	0.3	1.8	18.9	480	1000	12	10
14 x 1.5	0.8	0.3	1.8	19.8	535	1000	11	10
16 x 1.5	0.8	0.3	1.8	20.7	595	1000	11	9
19 x 1.5	0.8	0.3	2.0	22.5	720	1000	10	9
24 x 1.5	0.8	0.3	2.0	25.8	880	1000	9	8
27 x 1.5	0.8	0.3	2.0	26.3	960	1000	9	8
30 x 1.5	0.8	0.3	2.0	27.2	1040	1000	9	7
37 x 1.5	0.8	0.3	2.0	29.1	1230	1000	8	7
2 x 2.5	0.9	0.3	1.8	13.0	230	1000	32	27
3 x 2.5	0.9	0.3	1.8	13.6	240	1000	27	24
4 x 2.5	0.9	0.3	1.8	14.6	290	1000	27	24
5 x 2.5	0.9	0.3	1.8	15.7	335	1000	23	19
6 x 2.5	0.9	0.3	1.8	16.9	385	1000	21	18
7 x 2.5	0.9	0.3	1.8	16.9	420	1000	20	17
10 x 2.5	0.9	0.3	1.8	20.8	570	1000	18	15
12 x 2.5	0.9	0.3	2.0	22.2	690	1000	17	14
14 x 2.5	0.9	0.3	2.0	23.2	775	1000	16	13
16 x 2.5	0.9	0.3	2.0	24.3	860	1000	15	13
19 x 2.5	0.9	0.3	2.0	25.5	985	1000	14	12
24 x 2.5	0.9	0.3	2.0	29.4	1215	1000	13	11
27 x 2.5	0.9	0.3	2.0	30.0	1330	1000	12	10
30 x 2.5	0.9	0.3	2.0	31.0	1450	1000	12	10
37 x 2.5	0.9	0.4	2.2	34.1	1790	1000	11	9

Construction

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4. FRLS / General Purpose PVC inner sheath
5. FRLS / General purpose PVC Outersheath

Max. Conductor D.C. Resistance at 20 Deg C - Conductor Size :

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