

AN ISO 9001 : 2008 COMPANY

**GRANDLAY**  
**WIRES & CABLES**

SINCE 1953



YOUR POWER - FUL CONNECTION

**GRANDLAY 1.1 KV, ANNEALED HIGH CONDUCTIVITY SOLID COPPER CONDUCTOR, 1.5 SQ. MM, PVC INSULATED, INNER SHEATHED, ARMoured / UNARMoured PVC SHEATHED CONTROL CABLES CONFORMING TO IS : 1554 (PART I) AMENDED UPTO DATE**

Number of Cores	Nominal thickness of insulation mm	Min thickness of inner sheath mm	ARMOUR		Nominal sheath thickness-mm Unarmoured	Minimum sheath thickness Kg/Km Armoured	Approx. overall diameter		Total Weight Approx.		Max. DC conductor resistance at 20°C Ohm/Km	CURRENT RATINGS				
			Galv. round steel wire nom. dia.	Galv. flat steel strip nom. thick.			Unarmoured	Armoured	Unarmoured	Armoured		Unarmoured	Armoured	Direct in Ground	In Ducts	In Air
			mm	mm			mm	mm	mm	mm		kg/km	Kg\Km	Amps.	Amps.	Amps.
2	0.8	0.3	1.4	—	1.80	1.24	11.8	13.8	180	398	12.1	23	20	20		
3	0.8	0.3	1.4	—	1.80	1.24	12.0	14.3	210	448	12.1	21	17	17		
4	0.8	0.3	1.4	—	1.80	1.24	13.0	14.9	240	486	12.1	21	17	17		
5	0.8	0.3	1.4	—	1.80	1.24	13.60	15.5	280	510	12.1	21	17	17		
6	0.8	0.3	1.4	—	1.80	1.24	14.0	16.2	295	600	12.1	15	13	13		
7	0.8	0.3	1.4	—	1.80	1.24	15.0	16.8	335	630	12.1	14	13	13		
10	0.8	0.3	—	4x0.8	1.80	1.40	18.0	19.9	437	748	12.1	13	11	11		
12	0.8	0.3	—	4x0.8	1.80	1.40	19.0	20.4	541	831	12.1	12	10	10		
14	0.8	0.3	—	4x0.8	2.00	1.40	19.90	21.0	580	883	12.1	11	10	10		
16	0.8	0.3	—	4x0.8	2.00	1.40	20.30	21.9	610	938	12.1	11	9	9		
19	0.8	0.3	—	4x0.8	2.00	1.40	22.20	23.2	725	1041	12.1	10	8	9		
24	0.8	0.3	—	4x0.8	2.00	1.40	24.80	26.4	851	1270	12.1	9	8	8		
30	0.8	0.3	—	4x0.8	2.00	1.40	26.0	28.0	1010	1447	12.1	9	7	7		
37	0.8	0.3	—	4x0.8	2.00	1.56	28.0	29.8	1208	1718	12.1	8	7	7		
61	0.8	0.4	—	4x0.8	2.20	1.56	33.0	36.2	1465	2508	12.1	6	6	6		

**GRANDLAY 1.1 KV, ANNEALED HIGH CONDUCTIVITY SOLID COPPER CONDUCTOR, 2.5 SQ. MM, PVC INSULATED, INNER SHEATHED, ARMoured/UNARMoured PVC SHEATHED CONTROL CABLES CONFORMING TO IS : 1554 (PART I) AMENDED UPTO DATE**

2	0.9	0.3	1.4	—	1.8	1.24	12.6	14.8	235	470	7.41	32	27	27
3	0.9	0.3	1.4	—	1.8	1.24	13.10	15.2	269	503	7.41	27	24	24
4	0.9	0.3	1.4	—	1.8	1.24	14.10	16.1	312	577	7.41	27	24	24
5	0.9	0.3	1.4	—	1.8	1.24	14.90	16.8	370	645	7.41	23	24	24
6	0.9	0.3	1.4	—	1.8	1.24	15.80	17.8	398	723	7.41	21	22	22
7	0.9	0.3	1.4	—	1.8	1.40	16.80	18.9	471	791	7.41	20	17	17
10	0.9	0.3	—	4x0.8	1.8	1.40	21.20	21.8	642	900	7.41	18	15	15
12	0.9	0.3	—	4x0.8	2.0	1.40	21.70	23.0	659	1034	7.41	17	14	14
14	0.9	0.3	—	4x0.8	2.0	1.40	22.20	23.7	766	1125	7.41	16	13	13
16	0.9	0.3	—	4x0.8	2.0	1.40	23.50	24.7	872	1231	7.41	15	13	13
19	0.9	0.3	—	4x0.8	2.0	1.40	25.0	26.4	933	1411	7.41	14	12	12
24	0.9	0.3	—	4x0.8	2.0	1.56	28.20	29.9	1230	1682	7.41	13	11	11
30	0.9	0.3	—	4x0.8	2.0	1.56	30.5	32.0	1469	2012	7.41	12	10	10
37	0.9	0.4	—	4x0.8	2.0	1.56	32.80	34.0	1768	2306	7.41	11	9	9
61	0.9	0.4	—	4x0.8	2.2	1.72	41.0	41.7	2810	3450	7.41	9	8	8

**Product Range:**

- LT-XLPE POWER / CONTROL CABLE • LT-PVC POWER / CONTROL CABLE
- COPPER CONTROL CABLES • FR INSULATED WIRE • FRLS INSULATED WIRE
- COPPER FLEXIBLE CABLES • TELEPHONE CABLES • RAILWAY SIGNALING CABLES
- MINING CABLES • ABC CABLES • SPECIAL CABLES AS PER THE REQUIREMENT

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