

450/750 V 70°C PVC INSULATED AND DOUBLE SHEATHED ROUND TYPE WITH GROUND



CONDUCTOR :	Solid and Standard annealed copper Size 1.0 mm ² up to 300 mm ²	CLASSIFICATION :	Maximum conductor temperature 70°C Circuit voltage not exceeding 750 volt
INSULATION :	Polyvinyl chloride (PVC) Phase - Brown , Black , Grey Ground - Green/Yellow	TESTING VOLTAGE :	2,500 VAC
INNER SHEATH :	Polyvinyl chloride (Black colour)	REFERENCE STANDARD :	TIS.11 PART 101-2559
OUTER SHEATH :	Polyvinyl chloride (Black colour)		

Nominal Cross Sectional area (mm ²)		Conductor				thickness of Insulation (mm)		thickness of Inner Sheath (mm)	thickness of Outer Sheath (mm)	Overall Diameter	Maximum continuous current rating (A)		Minimum insulation resistance at 70°C (MΩ-Km)	cable weight (approx.) Kg/Km	standard length (m)
		No. of wire of wires (Min.)		Diameter (mm) (Approx.)							on cable ladder	under ground			
Phase	Ground	Phase	Ground	Phase	Ground	Phase	Ground								
1	1	1	1	1.11	1.11	0.8	0.8	0.8	1.8	13.5	13	21	0.0141	210	100/C
1	1	7	7	1.29	1.29	0.8	0.8	0.8	1.8	14.0	13	21	0.0135	220	100/C
1.5	1.5	1	1	1.36	1.36	0.8	0.8	0.8	1.8	14.0	16	26	0.0123	240	100/C
1.5	1.5	7	7	1.59	1.59	0.8	0.8	0.8	1.8	15.0	16	26	0.0116	250	100/C
2.5	2.5	1	1	1.75	1.75	0.8	0.8	0.8	1.8	15.5	22	35	0.0102	300	100/C
2.5	2.5	7	7	2.01	2.01	0.8	0.8	0.8	1.8	16.0	22	35	0.0093	320	100/C
4	4	1	1	2.21	2.21	0.9	0.9	0.8	1.8	17.0	30	45	0.0094	400	100/C
4	4	7	7	2.55	2.55	0.9	0.9	0.8	1.8	18.0	30	45	0.0085	430	100/C
6	6	7	7	3.12	3.12	0.9	0.9	0.8	1.8	19.0	37	57	0.0073	550	100/C
10	10	7	7	3.98	3.98	1.1	1.1	0.8	1.8	22.5	52	76	0.0069	820	500/D
16	16	19	7	5.01	5.01	1.1	1.1	1.2	2.0	26.5	70	99	0.0057	1200	500/D
25	16	7	7	6.33	5.01	1.3	1.1	1.2	2.0	30.5	88	128	0.0054	1620	500/D
35	16	7	7	7.60	5.01	1.3	1.1	1.2	2.0	33.0	110	154	0.0047	1990	500/D
50	25	19	7	8.83	6.33	1.5	1.3	1.5	2.2	38.5	133	181	0.0046	2730	500/D
70	35	19	7	10.58	7.60	1.5	1.3	1.5	2.2	42.5	171	223	0.0039	3630	500/D
95	50	19	19	12.5	8.83	1.7	1.5	1.5	2.4	48.5	207	267	0.0038	4870	500/D
120	70	37	19	14.07	10.58	1.7	1.5	1.8	2.6	53.5	240	304	0.0034	6120	300/D
150	95	37	19	15.61	12.5	1.9	1.7	1.8	2.8	59.0	278	342	0.0034	7610	300/D
185	95	37	19	17.5	12.5	2.1	1.7	2.0	3.0	64.5	317	386	0.0034	9130	300/D
240	120	37	37	20.07	14.07	2.3	1.7	2.0	3.2	72.0	374	448	0.0033	11660	200/D
300	150	61	37	22.5	15.61	2.5	1.9	2.2	3.4	79.5	432	507	0.0032	14410	200/D

C:Packing in coil.

D:Packing in drum.