

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



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

Nominal Cross Sectional area (mm ²)	Conductor		Thickness of Insulation (mm)	Thickness of Sheath (mm)	Overall diameter (mm) (Approx.)	Maximum continuous current rating in free air (A)		Minimum insulation resistance at 70°C (MΩ-Km)	Cable weight (approx.) Kg/Km	Standard length (m)
	Number of wire (Min)	Diameter (mm) (Approx.)				Free air	Under ground			
1	1	1.11	1.5	1.8	8.6	-	21	0.0207	82	100/C
1	7	1.29	1.5	1.8	8.8	-	21	0.0200	85	100/C
1.5	1	1.36	1.5	1.8	9.0	-	26	0.0184	90	100/C
1.5	7	1.59	1.5	1.8	9.2	-	26	0.0175	94	100/C
2.5	1	1.75	1.5	1.8	9.4	-	35	0.0157	105	100/C
2.5	7	2.01	1.5	1.8	9.8	-	35	0.0146	110	100/C
4	1	2.21	1.5	1.8	10.0	-	45	0.0135	130	100/C
4	7	2.55	1.5	1.8	10.5	-	45	0.0124	130	100/C
6	7	3.12	1.5	1.8	11.0	-	57	0.0107	160	100/C
10	7	3.98	1.5	1.8	12.0	-	76	0.0088	220	500/D
16	7	5.10	1.5	1.8	13.0	-	99	0.0074	290	500/D
25	7	6.33	1.5	1.8	14.5	127	128	0.0061	400	500/D
35	7	7.60	1.5	1.8	16.0	157	154	0.0053	510	500/D
50	19	8.83	1.5	1.8	17.0	191	181	0.0046	650	500/D
70	19	10.58	1.5	1.8	19.0	244	223	0.0039	870	500/D
95	19	12.50	1.7	1.8	21.5	297	267	0.0038	1170	500/D
120	37	14.07	1.7	1.8	23.0	345	304	0.0034	1430	500/D
150	37	15.61	1.9	2.0	26.0	397	342	0.0034	1760	500/D
185	37	17.50	2.1	2.0	28.0	453	386	0.0034	2170	500/D
240	37	20.07	2.3	2.2	31.5	535	448	0.0033	2830	500/D
300	61	22.50	2.5	2.2	35.0	617	507	0.0032	3480	300/D
400	61	25.38	2.7	2.2	38.5	741	577	0.0030	4400	300/D
500	61	28.71	3.1	2.4	43.0	854	654	0.0031	5630	300/D

C:Packing in coil.

D:Packing in drum.