

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



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| 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)
Brown , Black , Grey | 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 (mm) (Approx.)	Maximum continuous current rating (A)		Minimum insulation resistance at 70°C (MΩ-Km)	Cable weight (approx.) Kg/Km	Standard length (m)
	Number of wire (Min)	Diameter (mm) (Approx.)									
							on cable ladder	Under ground			
1	1	1.11	0.8	0.8	1.8	12.5	13	21	0.0141	180	100/C
1	7	1.29	0.8	0.8	1.8	13.0	13	21	0.0135	190	100/C
1.5	1	1.36	0.8	0.8	1.8	13.0	16	26	0.0123	205	100/C
1.5	7	1.59	0.8	0.8	1.8	13.5	16	26	0.0116	220	100/C
2.5	1	1.75	0.8	0.8	1.8	14.0	22	35	0.0102	250	100/C
2.5	7	2.01	0.8	0.8	1.8	15.0	22	35	0.0093	270	100/C
4	1	2.21	0.9	0.8	1.8	15.5	30	45	0.0094	335	100/C
4	7	2.55	0.9	0.8	1.8	16.5	30	45	0.0085	360	100/C
6	7	3.12	0.9	0.8	1.8	18.0	37	57	0.0073	450	100/C
10	7	3.98	1.1	0.8	1.8	20.5	52	76	0.0069	660	500/D
16	7	5.10	1.1	1.2	2.0	24.5	70	99	0.0057	970	500/D
25	7	6.33	1.3	1.2	2.0	28.5	88	128	0.0054	1410	500/D
35	7	7.60	1.3	1.2	2.0	31.5	110	154	0.0047	1810	500/D
50	19	8.83	1.5	1.5	2.2	36.0	133	181	0.0046	2410	500/D
70	19	10.58	1.5	1.5	2.2	40.5	171	223	0.0039	3200	500/D
95	19	12.50	1.7	1.5	2.4	46.0	207	267	0.0038	4300	500/D
120	37	14.07	1.7	1.8	2.6	50.5	240	304	0.0034	5320	300/D
150	37	15.61	1.9	1.8	2.8	56.0	278	342	0.0034	6490	300/D
185	37	17.50	2.1	2.0	3.0	61.5	317	386	0.0034	8060	300/D
240	37	20.07	2.3	2.0	3.2	69.0	374	448	0.0033	10360	200/D
300	61	22.50	2.5	2.2	3.4	76.0	432	507	0.0032	12810	200/D

C:Packing in coil.
D:Packing in drum.