

SUMI INDO KABEL

600/1000 V PVC INSULATED AND PVC SHEATHED Cu/ PVC/PVC (NYY) SNI IEC 60502-1 : 2009 / IEC 60502-1



Outer sheath (PVC compound)

Conductor (annealed Copper)
Insulation (PVC compound)

Special application upon request:

- * Available product in accordance to : SPLN.D3.010.2, ICEA/NEMA, AS standard or other requirement.
- * Flame retardant test acc to IEC 60332-3 Cat. A, B or C.
- * Anti termite & anti rodent performance
- * Tin coated copper conductor.
- * Maximum operating temperature 90°C.

CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 class 1 or 2)
Insulation : PVC Compound
Sheath : PVC Compound
Colour : Insulation : Black
Sheath : Black

TECHNICAL DATA

Voltage : U₀/U - 600/1000 V
Operating Temperature : Maximum 70°C

SINGLE CORE

Conductor				Nominal Thickness of Insulation	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
Nominal Cross Section Area	Shape of Cond.	No. of wire	Diameter of Conductor (approx.)					
mm ²		No.	mm	mm	mm	mm	kg/km	Ω/km
1.5	RE	1	1.38	0.8	1.4	5.6	50	12.1
1.5	RM	7	1.6	0.8	1.4	5.8	50	12.1
2.5	RE	1	1.78	0.8	1.4	6.0	60	7.41
2.5	RM	7	2.0	0.8	1.4	6.2	65	7.41
4	RE	1	2.26	1.0	1.4	6.9	85	4.61
4	RM	7	2.5	1.0	1.4	7.2	90	4.61
6	RM	7	3.1	1.0	1.4	7.7	115	3.08
10	RM	7	4.1	1.0	1.4	8.7	160	1.83
16	RM	7	5.1	1.0	1.4	9.7	225	1.15
25	RM	7	6.3	1.2	1.4	11.5	335	0.727
35	RM	7	7.6	1.2	1.4	12.5	440	0.524
50	RM	19	9.1	1.4	1.4	14.5	600	0.387
70	RM	19	10.6	1.4	1.4	16.0	810	0.268
95	RM	19	12.6	1.6	1.5	19.0	1090	0.193
120	RM	37	14.2	1.6	1.5	20.5	1335	0.153
150	RM	37	15.8	1.8	1.6	22.5	1660	0.124
185	RM	37	17.6	2.0	1.7	25.0	2025	0.0991
240	RM	61	20.1	2.2	1.8	28.0	2650	0.0754
300	RM	61	22.5	2.4	1.9	31.0	3275	0.0601
400	RM	61	25.2	2.6	2.0	34.5	4190	0.0470
400	CM	61	23.4	2.6	2.0	32.5	3960	0.0470
500	RM	61	28.8	2.8	2.1	38.5	5200	0.0366
630	RM	91	32.6	2.8	2.2	42.5	6505	0.0283
800	RM	127	37.1	2.8	2.3	47.5	8285	0.0221
1000	RM	127	41.6	3.0	2.5	52.5	10360	0.0176

Note RE : Round Solid Class 1
RM : Circular Stranded Class 2

CM : Circular Stranded Compacted Class 2