

SUMI INDO KABEL

600/1000 V XLPE INSULATED AND PVC SHEATHED Cu / XLPE / PVC (N2XY) SNI IEC 60502-1 : 2009 / IEC 60502-1



Outer sheath (PVC compound)

Conductor (annealed Copper)
Insulation (XLPE 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.
- * Polyethylene / Low Smoke Free Halogen sheath.

CONSTRUCTION

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

TECHNICAL DATA

Voltage : U_0/U - 600/1000 V
Operating Temperature : Maximum 90°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	0.7	1.4	5.4	45	12.1
1.5	RM	7	1.6	0.7	1.4	5.6	45	12.1
2.5	RE	1	1.78	0.7	1.4	5.8	55	7.41
2.5	RM	7	2.0	0.7	1.4	6.0	55	7.41
4	RE	1	2.26	0.7	1.4	6.3	75	4.61
4	RM	7	2.5	0.7	1.4	6.6	75	4.61
6	RM	7	3.1	0.7	1.4	7.1	100	3.08
10	RM	7	4.1	0.7	1.4	8.1	140	1.83
16	CM	7	4.7	0.7	1.4	8.7	195	1.15
25	CM	7	5.9	0.9	1.4	10.5	290	0.727
35	CM	7	7.1	0.9	1.4	11.5	385	0.524
50	CM	19	8.1	1.0	1.4	12.5	500	0.387
70	CM	19	9.6	1.1	1.4	14.5	700	0.268
95	CM	19	11.6	1.1	1.5	16.5	955	0.193
120	CM	37	12.9	1.2	1.5	18.0	1190	0.153
150	CM	37	14.3	1.4	1.6	20.0	1475	0.124
185	CM	37	16.0	1.6	1.6	22.5	1825	0.0991
240	CM	37	18.3	1.7	1.7	25.0	2360	0.0754
300	CM	61	20.5	1.8	1.8	27.5	2945	0.0601
400	CM	61	23.4	2.0	1.9	31.0	3740	0.0470
500	CM	61	26.5	2.2	2.0	34.5	4780	0.0366
630	CM	91	30.3	2.4	2.2	39.5	6165	0.0283
800	CM	91	34.3	2.6	2.3	44.0	7860	0.0221
1000	RM	127	41.6	2.8	2.4	52.0	10030	0.0176

Note: RE : Round Solid Class 1, RM : Circular Stranded Class 2, CM : Circular Stranded Compacted Class 2