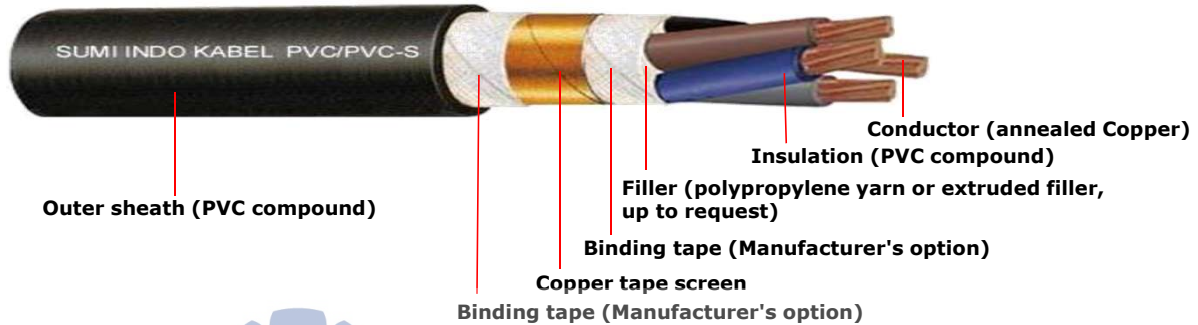


SUMI INDO KABEL

600/1000 V PVC INSULATED, METALLIC SCREENED AND PVC SHEATHED
Cu/PVC/CTS/PVC (NYSY)
SNI IEC 60502-1 : 2009 / IEC 60502-1



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.
- * Copper wire screen.
- * Maximum operating temperature 90°C.

CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 class 1 or 2)
 Insulation : PVC Compound
 Filler : Suitable material
 Metallic screen : Annealed Copper tape
 Sheath : PVC Compound
 Colour : Insulation : Brown, Blue
 Sheath : Black

TECHNICAL DATA

Voltage : U_0/U - 600/1000 V
 Operating Temperature : Maximum 70°C

TWO CORE

Nominal Cross Section Area	Conductor			Nominal Thickness of Insulation	Nominal Thickness of Copper tape (approx.)	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
	Shape of Cond.	No. of wire	Diameter of Conductor (approx.)						
mm ²		No.	mm	mm	mm	mm	mm	kg/km	Ω/km
1.5	RE	1	1.38	0.8	0.085	1.8	10.5	145	12.1
1.5	RM	7	1.6	0.8	0.085	1.8	11.0	150	12.1
2.5	RE	1	1.78	0.8	0.085	1.8	11.5	175	7.41
2.5	RM	7	2.0	0.8	0.085	1.8	11.5	180	7.41
4	RE	1	2.26	1.0	0.085	1.8	13.0	240	4.61
4	RM	7	2.6	1.0	0.085	1.8	13.5	245	4.61
6	RM	7	3.1	1.0	0.085	1.8	14.5	305	3.08
10	RM	7	4.1	1.0	0.085	1.8	16.5	420	1.83
16	RM	7	5.1	1.0	0.085	1.8	18.5	570	1.15
25	RM	7	6.3	1.2	0.085	1.8	21.5	825	0.727
35	RM	7	7.6	1.2	0.085	1.8	24.5	1065	0.524
50	RM	19	9.1	1.4	0.085	1.8	28.0	1450	0.387
70	RM	19	10.6	1.4	0.085	1.9	31.0	1910	0.268
95	RM	19	12.6	1.6	0.085	2.0	36.5	2545	0.193
120	RM	37	14.2	1.6	0.085	2.1	40.0	3105	0.153
150	RM	37	15.8	1.8	0.085	2.2	44.5	3840	0.124
185	RM	37	17.6	2.0	0.085	2.4	48.5	4680	0.0991
240	RM	61	20.1	2.2	0.085	2.6	55.0	6100	0.0754
300	RM	61	22.5	2.4	0.085	2.7	61.0	7525	0.0601

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

SUMI INDO KABEL

600/1000 V PVC INSULATED, METALLIC SCREENED AND PVC SHEATHED Cu/PVC/CTS/PVC (NYSY) SNI IEC 60502-1 : 2009 / IEC 60502-1

CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 class 1 or 2)
Insulation : PVC Compound
Filler : Suitable material
Metallic screen : Annealed Copper tape
Sheath : PVC Compound
Colour : Insulation : Three core : Brown, Black, Grey
Four core : Brown, Black, Grey, Blue
Sheath : Black

TECHNICAL DATA

Voltage : U_0/U - 600/1000 V
Operating Temperature : Maximum 70°C

THREE AND FOUR CORE

No. of core	Nominal Cross Section Area mm ²	Conductor			Nominal Thickness of Insulation mm	Nominal Thickness of Copper tape (approx.) mm	Nominal Thickness of Sheath mm	Overall diameter of cable (approx.) mm	Weight of cable (approx.) kg/km	Maximum Conductor Resistance at 20°C Ω/km
		Shape of Cond.	No. of wire	Diameter of Conductor (approx.) mm						
3	1.5	RE	1	1.38	0.8	0.085	1.8	11.0	170	12.1
	1.5	RM	7	1.6	0.8	0.085	1.8	11.5	175	12.1
	2.5	RE	1	1.78	0.8	0.085	1.8	12.0	215	7.41
	2.5	RM	7	2.0	0.8	0.085	1.8	12.5	220	7.41
	4	RE	1	2.26	1.0	0.085	1.8	14.0	300	4.61
	4	RM	7	2.5	1.0	0.085	1.8	14.5	305	4.61
	6	RM	7	3.1	1.0	0.085	1.8	15.0	385	3.08
	10	RM	7	4.1	1.0	0.085	1.8	17.5	545	1.83
	16	RM	7	5.1	1.0	0.085	1.8	20.0	755	1.15
	25	RM	7	6.3	1.2	0.085	1.8	23.0	1115	0.727
	35	RM	7	7.6	1.2	0.085	1.8	26.0	1445	0.524
	50	RM	19	9.1	1.4	0.085	1.9	30.0	1995	0.387
	70	RM	19	10.6	1.4	0.085	2.0	33.5	2660	0.268
	95	RM	19	12.6	1.6	0.085	2.1	39.0	3575	0.193
	120	RM	37	14.2	1.6	0.085	2.2	43.0	4370	0.153
	150	RM	37	15.8	1.8	0.085	2.4	47.5	5410	0.124
	185	RM	37	17.6	2.0	0.085	2.5	52.5	6615	0.0991
	240	RM	61	20.1	2.2	0.085	2.7	59.0	8615	0.0754
	300	RM	61	22.5	2.4	0.085	2.9	65.5	10635	0.0601
4	1.5	RE	1	1.38	0.8	0.085	1.8	12.0	205	12.1
	1.5	RM	7	1.6	0.8	0.085	1.8	12.5	210	12.1
	2.5	RE	1	1.78	0.8	0.085	1.8	13.0	260	7.41
	2.5	RM	7	2.0	0.8	0.085	1.8	13.5	265	7.41
	4	RE	1	2.26	1.0	0.085	1.8	15.0	370	4.61
	4	RM	7	2.5	1.0	0.085	1.8	15.5	380	4.61
	6	RM	7	3.1	1.0	0.085	1.8	17.0	485	3.08
	10	RM	7	4.1	1.0	0.085	1.8	19.5	685	1.83
	16	RM	7	5.1	1.0	0.085	1.8	21.5	960	1.15
	25	RM	7	6.3	1.2	0.085	1.8	25.5	1415	0.727
	35	RM	7	7.6	1.2	0.085	1.8	28.5	1860	0.524
	50	RM	19	9.1	1.4	0.085	2.0	33.5	2585	0.387
	70	RM	19	10.6	1.4	0.085	2.1	37.0	3455	0.268
	95	RM	19	12.6	1.6	0.085	2.2	43.5	4650	0.193
	120	RM	37	14.2	1.6	0.085	2.4	47.5	5695	0.153
	150	RM	37	15.8	1.8	0.085	2.5	52.5	7055	0.124
	185	RM	37	17.6	2.0	0.085	2.7	58.5	8665	0.0991
	240	RM	61	20.1	2.2	0.085	2.9	66.0	11285	0.0754
	300	RM	61	22.5	2.4	0.085	3.1	73.0	13895	0.0601

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

SUMI INDO KABEL

600/1000 V PVC INSULATED, METALLIC SCREENED AND PVC SHEATHED Cu/PVC/CTS/PVC (NYSY) SNI IEC 60502-1 : 2009 / IEC 60502-1

CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 class 1 or 2)
Insulation : PVC Compound
Filler : Suitable material
Metallic screen : Annealed Copper tape
Sheath : PVC Compound
Colour : Insulation : Brown, Black, Grey, Blue, Green / Yellow Stripe
Sheath : Black

TECHNICAL DATA

Voltage : U_0/U - 600/1000 V
Operating Temperature : Maximum 70°C

FIVE CORE

Nominal Cross Section Area	Conductor			Nominal Thickness of Insulation	Nominal Thickness of Copper tape (approx.)	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
	Shape of Cond.	No. of wire number	Diameter of Conductor (approx.) mm						
mm ²				mm	mm	mm	mm	kg/km	Ω/km
1.5	RE	1	1.38	0.8	0.085	1.8	12.5	240	12.1
1.5	RM	7	1.6	0.8	0.085	1.8	13.5	245	12.1
2.5	RE	1	1.78	0.8	0.085	1.8	14.0	305	7.41
2.5	RM	7	2.0	0.8	0.085	1.8	14.5	315	7.41
4	RE	1	2.26	1.0	0.085	1.8	16.5	435	4.61
4	RM	7	2.5	1.0	0.085	1.8	17.0	450	4.61
6	RM	7	3.1	1.0	0.085	1.8	18.5	580	3.08
10	RM	7	4.1	1.0	0.085	1.8	21.0	830	1.83
16	RM	7	5.1	1.0	0.085	1.8	24.0	1170	1.15
25	RM	7	6.3	1.2	0.085	1.8	28.0	1745	0.727
35	RM	7	7.6	1.2	0.085	1.9	31.5	2290	0.524
50	RM	19	9.1	1.4	0.085	2.1	37.0	3205	0.387

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