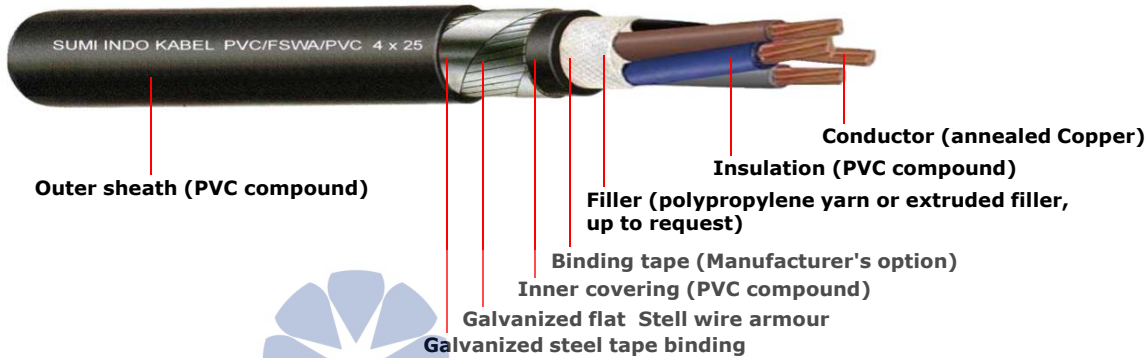


SUMI INDO KABEL

600/1000 V PVC INSULATED, FLAT STEEL WIRE ARMoured AND PVC SHEATHED Cu/PVC/SFA/PVC (NYFGbY) SNI IEC 60502-1 : 2009 / IEC 60502-1



Special application upon request:

- * Available product in accordance to SPLN.D3.010.3, 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
 Filler : Suitable Material
 Inner covering : PVC Compound
 Armour : Galvanized flat Steel wire+Steel tape open helix
 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

Conductor				Nominal Thickness of Insulation	Thickness of Inner Covering (approx.)	Nominal Thickness of Galv. Flat Steel Wire	Minimum Thickness of Galv. Steel Tape	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	mm	mm	mm	kg/km	Ω/km
16	RM	7	5.1	1.0	1.0	0.8	0.3	1.8	22.0	1045	1.15
25	RM	7	6.3	1.2	1.0	0.8	0.3	1.8	25.5	1400	0.727
35	RM	7	7.6	1.2	1.0	0.8	0.3	1.8	28.0	1720	0.524
50	RM	19	9.1	1.4	1.0	0.8	0.3	1.8	32.0	2175	0.387
70	RM	19	10.6	1.4	1.0	0.8	0.3	1.9	35.0	2705	0.268
95	RM	19	12.6	1.6	1.2	0.8	0.3	2.1	41.0	3560	0.193
120	RM	37	14.2	1.6	1.2	0.8	0.3	2.2	44.5	4230	0.153
150	RM	37	15.8	1.8	1.2	0.8	0.3	2.3	48.5	5085	0.124
185	RM	37	17.6	2.0	1.4	0.8	0.3	2.4	53.5	6075	0.0991
240	RM	61	20.1	2.2	1.4	0.8	0.3	2.6	60.0	7665	0.0754
300	RM	61	22.5	2.4	1.6	0.8	0.3	2.8	66.5	9315	0.0601

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

SUMI INDO KABEL

600/1000 V PVC INSULATED, FLAT STEEL WIRE ARMoured AND PVC SHEATHED Cu/PVC/SFA/PVC (NYFGbY) 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
Inner covering : PVC Compound
Armour : Galvanized flat Steel wire+Steel tape open helix
Sheath : PVC Compound
Colour : Insulation : Three core : Brown, Black, Grey
Four core : Brown, Black, Grey, Blue
Five core : Brown, Black, Grey, Blue, Green / Yellow Stripe

TECHNICAL DATA

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

Sheath : Black

THREE, FOUR AND FIVE CORE

No. of core	Conductor				Nominal Thickness of Insulation	Thickness of Inner Covering (approx.)	Nominal Thickness of Galv. Flat Steel Wire	Minimum Thickness of Galv. Steel Tape	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	mm	mm	mm	kg/km	Ω/km
3	10	RM	7	4.1	1.0	1.0	0.8	0.3	1.8	21.5	1020	1.83
	16	RM	7	5.1	1.0	1.0	0.8	0.3	1.8	23.5	1230	1.15
	25	RM	7	6.3	1.2	1.0	0.8	0.3	1.8	27.0	1720	0.727
	35	RM	7	7.6	1.2	1.0	0.8	0.3	1.8	30.0	2090	0.524
	50	RM	19	9.1	1.4	1.0	0.8	0.3	1.9	34.0	2780	0.387
	70	RM	19	10.6	1.4	1.2	0.8	0.3	2.0	37.5	3555	0.268
	95	RM	19	12.6	1.6	1.2	0.8	0.3	2.2	43.5	4640	0.193
	120	RM	37	14.2	1.6	1.2	0.8	0.3	2.3	47.5	5550	0.153
	150	RM	37	15.8	1.8	1.4	0.8	0.3	2.4	52.0	6735	0.124
	185	RM	37	17.6	2.0	1.4	0.8	0.3	2.6	57.0	8080	0.0991
	240	RM	61	20.1	2.2	1.6	0.8	0.3	2.8	64.5	10360	0.0754
4	300	RM	61	22.5	2.4	1.6	0.8	0.3	2.9	71.0	11520	0.0601
	6	RM	7	3.1	1.0	1.0	0.8	0.3	1.8	20.5	920	3.08
	10	RM	7	4.1	1.0	1.0	0.8	0.3	1.8	23.0	1160	1.83
	16	RM	7	5.1	1.0	1.0	0.8	0.3	1.8	25.5	1500	1.15
	25	RM	7	6.3	1.2	1.0	0.8	0.3	1.8	29.5	2075	0.727
	35	RM	7	7.6	1.2	1.0	0.8	0.3	1.9	32.5	2570	0.524
	50	RM	19	9.1	1.4	1.2	0.8	0.3	2.0	37.5	3480	0.387
	70	RM	19	10.6	1.4	1.2	0.8	0.3	2.1	41.5	4460	0.268
	95	RM	19	12.6	1.6	1.2	0.8	0.3	2.3	48.0	5835	0.193
	120	RM	37	14.2	1.6	1.4	0.8	0.3	2.4	52.5	7020	0.153
	150	RM	37	15.8	1.8	1.4	0.8	0.3	2.6	57.5	8565	0.124
5	185	RM	37	17.6	2.0	1.6	0.8	0.3	2.7	63.5	10350	0.0991
	240	RM	61	20.1	2.2	1.6	0.8	0.3	3.0	71.5	13240	0.0754
	300	RM	61	22.5	2.4	1.6	0.8	0.3	3.2	78.5	14865	0.0601
	4	RM	7	2.6	1.0	1.0	0.8	0.3	1.8	20.5	890	4.61
	6	RM	7	3.1	1.0	1.0	0.8	0.3	1.8	22.0	1055	3.08
	10	RM	7	4.1	1.0	1.0	0.8	0.3	1.8	25.0	1340	1.83
	16	RM	7	5.1	1.0	1.0	0.8	0.3	1.8	27.5	1745	1.15
5	25	RM	7	6.3	1.2	1.0	0.8	0.3	1.8	31.5	2465	0.727
	35	RM	7	7.6	1.2	1.0	0.8	0.3	1.9	35.5	3070	0.524
	50	RM	19	9.1	1.4	1.2	0.8	0.3	2.1	41.0	4205	0.387

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