

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)

Filler (polypropylene yarn or extruded filler, up to request)

Binding tape (Manufacturer's option)

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 : Two core : Brown, Blue
Sheath : Black

TECHNICAL DATA

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

TWO CORE

Nominal Cross Section Area mm ²	Shape of Cond.	Conductor		Nominal Thickness of Insulation 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
		No. of wire No	Diameter of Conductor (approx.) mm					
1.5	RE	1	1.38	0.8	1.8	10.0	115	12.1
1.5	RM	7	1.6	0.8	1.8	10.5	125	12.1
2.5	RE	1	1.78	0.8	1.8	10.5	145	7.41
2.5	RM	7	2.0	0.8	1.8	11.0	155	7.41
4	RE	1	2.26	1.0	1.8	12.5	200	4.61
4	RM	7	2.5	1.0	1.8	13.0	215	4.61
6	RM	7	3.1	1.0	1.8	14.0	270	3.08
10	RM	7	4.1	1.0	1.8	16.0	375	1.83
16	RM	7	5.1	1.0	1.8	18.0	520	1.15
25	RM	7	6.3	1.2	1.8	21.5	765	0.727
35	RM	7	7.6	1.2	1.8	24.0	1000	0.524
50	RM	19	9.1	1.4	1.8	27.5	1375	0.387
70	RM	19	10.6	1.4	1.9	30.5	1820	0.268
95	RM	19	12.6	1.6	2.0	36.0	2455	0.193
120	RM	37	14.2	1.6	2.1	39.5	3010	0.153
150	RM	37	15.8	1.8	2.2	43.5	3730	0.124
185	RM	37	17.6	2.0	2.4	48.5	4570	0.0991
240	RM	61	20.1	2.2	2.6	54.5	5960	0.0754
300	RM	61	22.5	2.4	2.7	60.5	7340	0.0601

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

SUMI INDO KABEL

600/1000 V PVC INSULATED AND PVC SHEATHED

Cu/ PVC/PVC (NYY)

SNI IEC 60502-1 : 2009 / IEC 60502-1

CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 class 1 or 2)

Insulation : PVC Compound

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

Sheath : Black

TECHNICAL DATA

Voltage : U_0/U - 600/1000 V

Operating Temperature : Maximum 70°C

THREE, FOUR AND FIVE CORE

No. of 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 mm ²	Shape of Cond.	No. of wire	Diameter of Conductor (approx.)					
3	1.5	RE	1	1.38	0.8	1.8	10.5	140	12.1
	1.5	RM	7	1.6	0.8	1.8	11.0	150	12.1
	2.5	RE	1	1.78	0.8	1.8	11.5	180	7.41
	2.5	RM	7	2.0	0.8	1.8	11.5	190	7.41
	4	RE	1	2.26	1.0	1.8	13.0	260	4.61
	4	RM	7	2.5	1.0	1.8	14.0	275	4.61
	6	RM	7	3.1	1.0	1.8	15.0	350	3.08
	10	RM	7	4.1	1.0	1.8	17.0	500	1.83
	16	RM	7	5.1	1.0	1.8	19.0	700	1.15
	25	RM	7	6.3	1.2	1.8	22.5	1045	0.727
	35	RM	7	7.6	1.2	1.8	25.5	1380	0.524
	50	RM	19	9.1	1.4	1.8	29.5	1905	0.387
	70	RM	19	10.6	1.4	2.0	33.0	2560	0.268
	95	RM	19	12.6	1.6	2.1	39.0	3455	0.193
	120	RM	37	14.2	1.6	2.2	42.5	4245	0.153
	150	RM	37	15.8	1.8	2.3	47.0	5265	0.124
4	1.5	RE	1	1.38	0.8	1.8	11.0	170	12.1
	1.5	RM	7	1.6	0.8	1.8	11.5	180	12.1
	2.5	RE	1	1.78	0.8	1.8	12.0	220	7.41
	2.5	RM	7	2.0	0.8	1.8	12.5	235	7.41
	4	RE	1	2.26	1.0	1.8	14.5	320	4.61
	4	RM	7	2.5	1.0	1.8	15.0	340	4.61
	6	RM	7	3.1	1.0	1.8	16.5	435	3.08
	10	RM	7	4.1	1.0	1.8	18.5	635	1.83
	16	RM	7	5.1	1.0	1.8	21.0	900	1.15
	25	RM	7	6.3	1.2	1.8	25.0	1345	0.727
	35	RM	7	7.6	1.2	1.8	28.0	1780	0.524
	50	RM	19	9.1	1.4	1.9	32.5	2470	0.387
	70	RM	19	10.6	1.4	2.1	36.5	3345	0.268
	95	RM	19	12.6	1.6	2.2	43.0	4520	0.193
	120	RM	37	14.2	1.6	2.4	47.5	5555	0.153
	150	RM	37	15.8	1.8	2.5	52.5	6895	0.124
5	1.5	RE	1	1.38	0.8	1.8	12.0	200	12.1
	1.5	RM	7	1.6	0.8	1.8	12.5	215	12.1
	2.5	RE	1	1.78	0.8	1.8	13.0	265	7.41
	2.5	RM	7	2.0	0.8	1.8	14.0	280	7.41
	4	RE	1	2.26	1.0	1.8	15.5	385	4.61
	4	RM	7	2.5	1.0	1.8	16.5	410	4.61
	6	RM	7	3.1	1.0	1.8	18.0	530	3.08
	10	RM	7	4.1	1.0	1.8	20.5	775	1.83
	16	RM	7	5.1	1.0	1.8	23.0	1100	1.15
	25	RM	7	6.3	1.2	1.8	28.0	1655	0.727
	35	RM	7	7.6	1.2	1.9	31.0	2200	0.524
	50	RM	19	9.1	1.4	2.1	37.0	3080	0.387

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

SUMI INDO KABEL

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

CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 class 1)
Insulation : PVC Compound
Sheath : PVC Compound
Colour : Insulation : Black with numbering code
Sheath : Black

TECHNICAL DATA

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

Conductor					Nominal Thickness of Insulation	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
No. of Core	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
CONTROL CABLE : 1.5 mm² (Solid Conductor)									
6	1.5	RE	1	1.38	0.8	1.8	13.0	230	12.1
7	1.5	RE	1	1.38	0.8	1.8	13.0	245	12.1
8	1.5	RE	1	1.38	0.8	1.8	14.0	280	12.1
9	1.5	RE	1	1.38	0.8	1.8	15.0	310	12.1
10	1.5	RE	1	1.38	0.8	1.8	16.5	345	12.1
12	1.5	RE	1	1.38	0.8	1.8	17.0	395	12.1
14	1.5	RE	1	1.38	0.8	1.8	17.5	445	12.1
15	1.5	RE	1	1.38	0.8	1.8	18.0	470	12.1
16	1.5	RE	1	1.38	0.8	1.8	18.5	500	12.1
18	1.5	RE	1	1.38	0.8	1.8	19.5	550	12.1
19	1.5	RE	1	1.38	0.8	1.8	19.5	565	12.1
20	1.5	RE	1	1.38	0.8	1.8	20.0	600	12.1
21	1.5	RE	1	1.38	0.8	1.8	21.0	625	12.1
24	1.5	RE	1	1.38	0.8	1.8	22.5	710	12.1
30	1.5	RE	1	1.38	0.8	1.8	24.0	855	12.1
32	1.5	RE	1	1.38	0.8	1.8	24.5	905	12.1
37	1.5	RE	1	1.38	0.8	1.8	26.0	1025	12.1
40	1.5	RE	1	1.38	0.8	1.8	27.0	1105	12.1
50	1.5	RE	1	1.38	0.8	1.9	29.5	1350	12.1
52	1.5	RE	1	1.38	0.8	1.9	30.5	1405	12.1
60	1.5	RE	1	1.38	0.8	2.0	32.5	1615	12.1
61	1.5	RE	1	1.38	0.8	2.0	32.5	1635	12.1
CONTROL CABLE : 1.5 mm² (Stranded Conductor)									
6	1.5	RM	7	1.6	0.8	1.8	13.5	240	12.1
7	1.5	RM	7	1.6	0.8	1.8	13.5	260	12.1
8	1.5	RM	7	1.6	0.8	1.8	14.5	295	12.1
9	1.5	RM	7	1.6	0.8	1.8	16.0	330	12.1
10	1.5	RM	7	1.6	0.8	1.8	17.0	365	12.1
12	1.5	RM	7	1.6	0.8	1.8	17.5	420	12.1
14	1.5	RM	7	1.6	0.8	1.8	18.5	475	12.1
15	1.5	RM	7	1.6	0.8	1.8	19.0	500	12.1
16	1.5	RM	7	1.6	0.8	1.8	19.5	530	12.1
18	1.5	RM	7	1.6	0.8	1.8	20.5	585	12.1
19	1.5	RM	7	1.6	0.8	1.8	20.5	600	12.1
20	1.5	RM	7	1.6	0.8	1.8	21.0	635	12.1
21	1.5	RM	7	1.6	0.8	1.8	22.0	665	12.1
24	1.5	RM	7	1.6	0.8	1.8	24.0	755	12.1
30	1.5	RM	7	1.6	0.8	1.8	25.5	910	12.1
32	1.5	RM	7	1.6	0.8	1.8	26.0	965	12.1
37	1.5	RM	7	1.6	0.8	1.8	27.5	1090	12.1
40	1.5	RM	7	1.6	0.8	1.8	28.5	1175	12.1
50	1.5	RM	7	1.6	0.8	1.9	31.0	1440	12.1
52	1.5	RM	7	1.6	0.8	1.9	32.0	1495	12.1
60	1.5	RM	7	1.6	0.8	2.0	34.5	1720	12.1
61	1.5	RM	7	1.6	0.8	2.0	34.5	1745	12.1

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

SUMI INDO KABEL

600/1000 V PVC INSULATED AND PVC SHEATHED

Cu/ PVC/PVC (NYY)

SNI IEC 60502-1 : 2009 / IEC 60502-1

CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 class 1)
 Insulation : PVC Compound
 Sheath : PVC Compound
 Colour : Insulation : Black with numbering code
 Sheath : Black

TECHNICAL DATA

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

Conductor					Nominal Thickness of Insulation	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
No. of Core	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
CONTROL CABLE 2.5 mm² (Solid Conductor)									
6	2.5	RE	1	1.78	0.8	1.8	14.5	300	7.41
7	2.5	RE	1	1.78	0.8	1.8	14.5	330	7.41
8	2.5	RE	1	1.78	0.8	1.8	15.5	375	7.41
9	2.5	RE	1	1.78	0.8	1.8	16.5	420	7.41
10	2.5	RE	1	1.78	0.8	1.8	18.0	465	7.41
12	2.5	RE	1	1.78	0.8	1.8	18.5	535	7.41
14	2.5	RE	1	1.78	0.8	1.8	19.5	610	7.41
15	2.5	RE	1	1.78	0.8	1.8	20.0	645	7.41
16	2.5	RE	1	1.78	0.8	1.8	20.5	685	7.41
18	2.5	RE	1	1.78	0.8	1.8	21.5	755	7.41
19	2.5	RE	1	1.78	0.8	1.8	21.5	780	7.41
20	2.5	RE	1	1.78	0.8	1.8	22.0	825	7.41
21	2.5	RE	1	1.78	0.8	1.8	23.5	865	7.41
24	2.5	RE	1	1.78	0.8	1.8	25.0	985	7.41
30	2.5	RE	1	1.78	0.8	1.8	26.5	1195	7.41
32	2.5	RE	1	1.78	0.8	1.8	27.0	1265	7.41
37	2.5	RE	1	1.78	0.8	1.9	28.5	1435	7.41
40	2.5	RE	1	1.78	0.8	1.9	30.0	1545	7.41
50	2.5	RE	1	1.78	0.8	2.0	33.0	1920	7.41
52	2.5	RE	1	1.78	0.8	2.0	34.0	1995	7.41
60	2.5	RE	1	1.78	0.8	2.1	36.5	2295	7.41
61	2.5	RE	1	1.78	0.8	2.1	36.5	2325	7.41
CONTROL CABLE 2.5 mm² (Stranded Conductor)									
6	2.5	RM	7	2.0	0.8	1.8	15.0	320	7.41
7	2.5	RM	7	2.0	0.8	1.8	15.0	345	7.41
8	2.5	RM	7	2.0	0.8	1.8	16.0	395	7.41
9	2.5	RM	7	2.0	0.8	1.8	17.0	440	7.41
10	2.5	RM	7	2.0	0.8	1.8	18.5	490	7.41
12	2.5	RM	7	2.0	0.8	1.8	19.5	565	7.41
14	2.5	RM	7	2.0	0.8	1.8	20.5	640	7.41
15	2.5	RM	7	2.0	0.8	1.8	21.0	680	7.41
16	2.5	RM	7	2.0	0.8	1.8	21.5	725	7.41
18	2.5	RM	7	2.0	0.8	1.8	22.5	795	7.41
19	2.5	RM	7	2.0	0.8	1.8	22.5	825	7.41
20	2.5	RM	7	2.0	0.8	1.8	23.0	870	7.41
21	2.5	RM	7	2.0	0.8	1.8	24.0	910	7.41
24	2.5	RM	7	2.0	0.8	1.8	26.5	1040	7.41
30	2.5	RM	7	2.0	0.8	1.8	28.0	1260	7.41
32	2.5	RM	7	2.0	0.8	1.8	28.5	1335	7.41
37	2.5	RM	7	2.0	0.8	1.9	30.0	1515	7.41
40	2.5	RM	7	2.0	0.8	1.9	31.5	1635	7.41
50	2.5	RM	7	2.0	0.8	2.0	34.5	2025	7.41
52	2.5	RM	7	2.0	0.8	2.0	35.5	2105	7.41
60	2.5	RM	7	2.0	0.8	2.1	38.0	2420	7.41
61	2.5	RM	7	2.0	0.8	2.1	38.0	2455	7.41

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

SUMI INDO KABEL

600/1000 V PVC INSULATED AND PVC SHEATHED

Cu/ PVC/PVC (NYY)

SNI IEC 60502-1 : 2009 / IEC 60502-1

CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 class 1)
 Insulation : PVC Compound
 Sheath : PVC Compound
 Colour : Insulation : Black with numbering code
 Sheath : Black

TECHNICAL DATA

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

Conductor					Nominal Thickness of Insulation	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
No. of Core	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
CONTROL CABLE : 4 mm² (Solid Conductor)									
6	4	RE	1	2.26	1.0	1.8	17.0	440	4.61
7	4	RE	1	2.26	1.0	1.8	17.0	485	4.61
8	4	RE	1	2.26	1.0	1.8	18.5	555	4.61
9	4	RE	1	2.26	1.0	1.8	20.0	625	4.61
10	4	RE	1	2.26	1.0	1.8	21.5	690	4.61
12	4	RE	1	2.26	1.0	1.8	22.0	800	4.61
14	4	RE	1	2.26	1.0	1.8	23.5	915	4.61
15	4	RE	1	2.26	1.0	1.8	24.0	970	4.61
16	4	RE	1	2.26	1.0	1.8	24.5	1035	4.61
18	4	RE	1	2.26	1.0	1.8	26.0	1140	4.61
19	4	RE	1	2.26	1.0	1.8	26.0	1185	4.61
20	4	RE	1	2.26	1.0	1.8	27.0	1250	4.61
21	4	RE	1	2.26	1.0	1.8	28.0	1310	4.61
24	4	RE	1	2.26	1.0	1.9	30.5	1495	4.61
30	4	RE	1	2.26	1.0	2.0	32.5	1840	4.61
32	4	RE	1	2.26	1.0	2.0	33.0	1950	4.61
37	4	RE	1	2.26	1.0	2.1	35.5	2235	4.61
40	4	RE	1	2.26	1.0	2.1	37.0	2410	4.61
50	4	RE	1	2.26	1.0	2.3	41.0	3010	4.61
52	4	RE	1	2.26	1.0	2.3	42.0	3130	4.61
60	4	RE	1	2.26	1.0	2.4	45.0	3575	4.61
61	4	RE	1	2.26	1.0	2.4	45.0	3625	4.61
CONTROL CABLE : 4 mm² (Stranded Conductor)									
6	4	RM	7	2.5	1.0	1.8	17.5	465	4.61
7	4	RM	7	2.5	1.0	1.8	17.5	510	4.61
8	4	RM	7	2.5	1.0	1.8	19.0	580	4.61
9	4	RM	7	2.5	1.0	1.8	20.5	650	4.61
10	4	RM	7	2.5	1.0	1.8	22.5	725	4.61
12	4	RM	7	2.5	1.0	1.8	23.0	835	4.61
14	4	RM	7	2.5	1.0	1.8	24.0	955	4.61
15	4	RM	7	2.5	1.0	1.8	25.0	1020	4.61
16	4	RM	7	2.5	1.0	1.8	25.5	1080	4.61
18	4	RM	7	2.5	1.0	1.8	27.0	1195	4.61
19	4	RM	7	2.5	1.0	1.8	27.0	1240	4.61
20	4	RM	7	2.5	1.0	1.8	28.0	1310	4.61
21	4	RM	7	2.5	1.0	1.8	29.5	1370	4.61
24	4	RM	7	2.5	1.0	1.9	32.0	1565	4.61
30	4	RM	7	2.5	1.0	2.0	34.0	1920	4.61
32	4	RM	7	2.5	1.0	2.0	34.5	2035	4.61
37	4	RM	7	2.5	1.0	2.1	37.0	2330	4.61
40	4	RM	7	2.5	1.0	2.1	38.0	2515	4.61
50	4	RM	7	2.5	1.0	2.3	42.5	3145	4.61
52	4	RM	7	2.5	1.0	2.3	44.0	3265	4.61
60	4	RM	7	2.5	1.0	2.4	46.5	3730	4.61
61	4	RM	7	2.5	1.0	2.4	46.5	3785	4.61

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