

SUMI INDO KABEL

300/500V PVC INSULATED AND PVC SHEATHED CABLES Cu/PVC/PVC (NYM) SNI 04-6629.4 : 2006 / IEC 60227-4



Special application upon request:

- * Available product in accordance to SPLN or other requirement.
- * Tin coated Copper conductor.
- * Flame retardant test acc to IEC 60332-3 Cat. A, B or C.

CONSTRUCTION

Conductor	: Plain Annealed Copper (to IEC 60228 class 1 and 2)
Insulation	: PVC Compound
Inner covering	: PVC Compound
Sheath	: PVC Compound
Colour	: Insulation : Brown, Blue Sheath : White

TECHNICAL DATA

Voltage	: U_0/U - 300/500 V
Operating Temperature	: Maximum 70°C

TWO CORE

Conductor				Nominal Thickness of Insulation	Thickness of Inner covering (approx.)	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.)						
mm²		No.	mm	mm	mm	mm	mm	kg/km	Ω/km
1.5	RE	1	1.38	0.7	0.4	1.2	9.5	130	12.1
1.5	RM	7	1.6	0.7	0.4	1.2	10.0	140	12.1
2.5	RE	1	1.78	0.8	0.4	1.2	11.0	175	7.41
2.5	RM	7	2.0	0.8	0.4	1.2	11.0	185	7.41
4	RE	1	2.26	0.8	0.4	1.2	12.0	225	4.61
4	RM	7	2.5	0.8	0.4	1.2	12.5	240	4.61
6	RE	1	1	0.8	0.4	1.2	13.0	295	3.08
6	RM	7	3.1	0.8	0.4	1.2	14.0	315	3.08
10	RE	1	3.57	1.0	0.6	1.4	16.0	455	1.83
10	RM	7	4.1	1.0	0.6	1.4	17.0	495	1.83
16	RM	7	5.1	1.0	0.6	1.4	19.0	670	1.15
25	RM	7	6.3	1.2	0.8	1.4	23.0	1000	0.727
35	RM	7	7.6	1.2	1.0	1.6	26.0	1340	0.524

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

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Cu/PVC/PVC (NYM)

SNI 04-6629.4 : 2006 / IEC 60227-4

CONSTRUCTION

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

Insulation : PVC Compound

Inner covering : 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 : White

TECHNICAL DATA

Voltage : U_0/U - 300/500 V

Operating Temperature : Maximum 70°C

THREE, FOUR AND FIVE CORE

No. of Core	Conductor				Nominal Thickness of Insulation	Thickness of Inner covering (approx.)	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.)						
			No.	mm						
	mm ²				mm	mm	mm	mm	kg/km	Ω/km
3	1.5	RE	1	1.38	0.7	0.4	1.2	10.0	150	12.1
	1.5	RM	7	1.6	0.7	0.4	1.2	10.5	160	12.1
	2.5	RE	1	1.78	0.8	0.4	1.2	11.5	205	7.41
	2.5	RM	7	2.0	0.8	0.4	1.2	12.0	220	7.41
	4	RE	1	2.26	0.8	0.4	1.2	12.5	270	4.61
	4	RM	7	2.5	0.8	0.4	1.2	13.0	290	4.61
	6	RE	1	2.77	0.8	0.4	1.4	14.0	360	3.08
	6	RM	7	3.1	0.8	0.4	1.4	14.5	385	3.08
	10	RE	1	3.57	1.0	0.6	1.4	17.0	560	1.83
	10	RM	7	4.1	1.0	0.6	1.4	18.0	600	1.83
	16	RM	7	5.1	1.0	0.8	1.4	20.5	850	1.15
	25	RM	7	6.3	1.2	0.8	1.6	24.5	1270	0.727
	35	RM	7	7.6	1.2	1.0	1.6	27.5	1680	0.524
4	1.5	RE	1	1.38	0.7	0.4	1.2	11.0	180	12.1
	1.5	RM	7	1.6	0.7	0.4	1.2	11.5	190	12.1
	2.5	RE	1	1.78	0.8	0.4	1.2	12.5	250	7.41
	2.5	RM	7	2.0	0.8	0.4	1.2	13.0	265	7.41
	4	RE	1	2.26	0.8	0.4	1.4	14.0	340	4.61
	4	RM	7	2.5	0.8	0.4	1.4	14.5	365	4.61
	6	RE	1	2.77	0.8	0.4	1.4	15.5	460	3.08
	6	RM	7	3.1	0.8	0.4	1.4	16.0	485	3.08
	10	RE	1	3.57	1.0	0.6	1.4	18.5	690	1.83
	10	RM	7	4.1	1.0	0.6	1.4	19.5	745	1.83
	16	RM	7	5.1	1.0	0.8	1.4	22.5	1060	1.15
	25	RM	7	6.3	1.2	1.0	1.6	27.5	1620	0.727
	35	RM	7	7.6	1.2	1.0	1.6	30.0	2110	0.524
5	1.5	RE	1	1.38	0.7	0.4	1.2	11.5	210	12.1
	1.5	RM	7	1.6	0.7	0.4	1.2	12.0	225	12.1
	2.5	RE	1	1.78	0.8	0.4	1.2	13.5	295	7.41
	2.5	RM	7	2.0	0.8	0.4	1.2	14.0	315	7.41
	4	RE	1	2.26	0.8	0.6	1.4	15.5	425	4.61
	4	RM	7	2.5	0.8	0.6	1.4	16.5	455	4.61
	6	RE	1	2.77	0.8	0.6	1.4	17.0	550	3.08
	6	RM	7	3.1	0.8	0.6	1.4	17.5	580	3.08
	10	RE	1	3.57	1.0	0.6	1.4	20.0	840	1.83
	10	RM	7	4.1	1.0	0.6	1.4	21.5	900	1.83
	16	RM	7	5.1	1.0	0.8	1.6	25.0	1310	1.15
	25	RM	7	6.3	1.2	1.0	1.6	30.0	1970	0.727
	35	RM	7	7.6	1.2	1.2	1.6	33.5	2620	0.524

Note: RE : Round Solid Class 1

RM : Circular Stranded Class 2