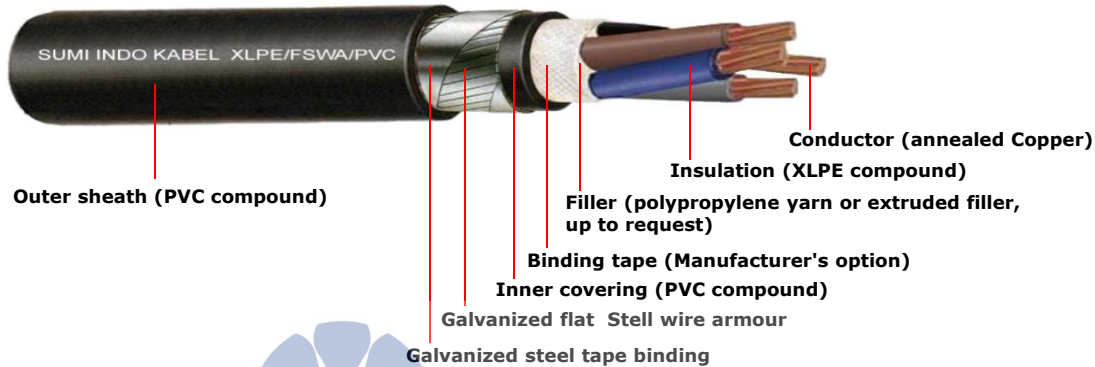


SUMI INDO KABEL

600/1000 V XLPE INSULATED, FLAT STEEL WIRE ARMoured AND PVC SHEATHED
Cu / XLPE / SFA / PVC (N2XFGbY)
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.
- * Polyethylene / Low Smoke Free Halogen sheath.

CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 class 1 or 2)
 Insulation : XLPE 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 90°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	CM	7	4.7	0.7	1.0	0.8	0.3	1.8	20.5	900	1.15
25	CM	7	5.9	0.9	1.0	0.8	0.3	1.8	23.5	1190	0.727
35	CM	7	7.1	0.9	1.0	0.8	0.3	1.8	26.0	1475	0.524
50	CM	19	8.1	1.0	1.0	0.8	0.3	1.8	28.5	1805	0.387
70	CM	19	9.6	1.1	1.0	0.8	0.3	1.9	32.0	2370	0.268
95	CM	19	11.6	1.1	1.2	0.8	0.3	2.0	36.5	3035	0.193
120	CM	37	12.9	1.2	1.2	0.8	0.3	2.1	39.5	3635	0.153
150	CM	37	14.3	1.4	1.2	0.8	0.3	2.2	43.5	4385	0.124
185	CM	37	16.0	1.6	1.4	0.8	0.3	2.4	48.5	5345	0.0991
240	CM	37	18.3	1.7	1.4	0.8	0.3	2.6	54.0	6725	0.0754
300	CM	61	20.5	1.8	1.6	0.8	0.3	2.7	59.5	8290	0.0601
400	CM	61	23.4	2.0	1.6	0.8	0.3	3.0	66.5	10210	0.0470

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

SUMI INDO KABEL

600/1000 V XLPE INSULATED, FLAT STEEL WIRE ARMoured AND PVC SHEATHED Cu / XLPE / SFA / PVC (N2XFGbY) SNI IEC 60502-1 : 2009 / IEC 60502-1

CONSTRUCTION

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

TECHNICAL DATA

Voltage : U_o/U - 600/1000 V
Operating Temperature : Maximum 90°C

THREE AND FOUR 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	0.7	1.0	0.8	0.3	1.8	20.0	885	1.83
	16	CM	7	4.7	0.7	1.0	0.8	0.3	1.8	21.5	1090	1.15
	25	CM	7	5.9	0.9	1.0	0.8	0.3	1.8	25.0	1470	0.727
	35	CM	7	7.1	0.9	1.0	0.8	0.3	1.8	27.5	1845	0.524
	50	CM	19	8.1	1.0	1.0	0.8	0.3	1.8	30.0	2285	0.387
	70	CM	19	9.6	1.1	1.2	0.8	0.3	2.0	34.0	3070	0.268
	95	CM	19	11.6	1.1	1.2	0.8	0.3	2.1	39.0	3990	0.193
	120	CM	37	12.9	1.2	1.2	0.8	0.3	2.2	42.0	4820	0.153
	150	CM	37	14.3	1.4	1.4	0.8	0.3	2.3	46.5	5875	0.124
	185	CM	37	16.0	1.6	1.4	0.8	0.3	2.4	52.0	7165	0.0991
4	240	CM	37	18.3	1.7	1.6	0.8	0.3	2.7	58.0	9125	0.0754
	300	CM	61	20.5	1.8	1.6	0.8	0.3	2.8	63.5	11205	0.0601
	16	CM	7	4.7	0.7	1.0	0.8	0.3	1.8	23.0	1295	1.15
	25	CM	7	5.9	0.9	1.0	0.8	0.3	1.8	27.0	1795	0.727
	35	CM	7	7.1	0.9	1.0	0.8	0.3	1.8	30.0	2265	0.524
	50	CM	19	8.1	1.0	1.0	0.8	0.3	1.9	32.5	2830	0.387
	70	CM	19	9.6	1.1	1.2	0.8	0.3	2.1	37.5	3880	0.268
	95	CM	19	11.6	1.1	1.2	0.8	0.3	2.2	42.5	5015	0.193
	120	CM	37	12.9	1.2	1.4	0.8	0.3	2.3	47.0	6145	0.153
	150	CM	37	14.3	1.4	1.4	0.8	0.3	2.5	51.5	7450	0.124
5	185	CM	37	16.0	1.6	1.4	0.8	0.3	2.7	57.5	9125	0.0991
	240	CM	37	18.3	1.7	1.6	0.8	0.3	2.9	64.0	11670	0.0754
	300	CM	61	20.5	1.8	1.6	0.8	0.3	3.1	70.0	14345	0.0601
	6	RM	7	3.1	0.7	1.0	0.8	0.3	1.8	20.5	900	3.08
	10	RM	7	4.1	0.7	1.0	0.8	0.3	1.8	23.0	1200	1.83
	16	CM	7	4.7	0.7	1.0	0.8	0.3	1.8	25.0	1512	1.15
5	25	CM	7	5.9	0.9	1.0	0.8	0.3	1.8	29.0	2100	0.727
	35	CM	7	7.1	0.9	1.0	0.8	0.3	1.9	32.5	2700	0.524
	50	CM	19	8.1	1.0	1.2	0.8	0.3	2.0	36.0	3435	0.387

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