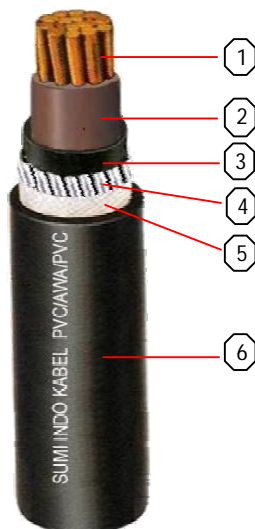


600/1000 V PVC INSULATED, ALUMINIUM WIRE ARMoured AND PVC SHEATHED CABLES

PVC / AWA / PVC (acc. to IEC 60502-1)

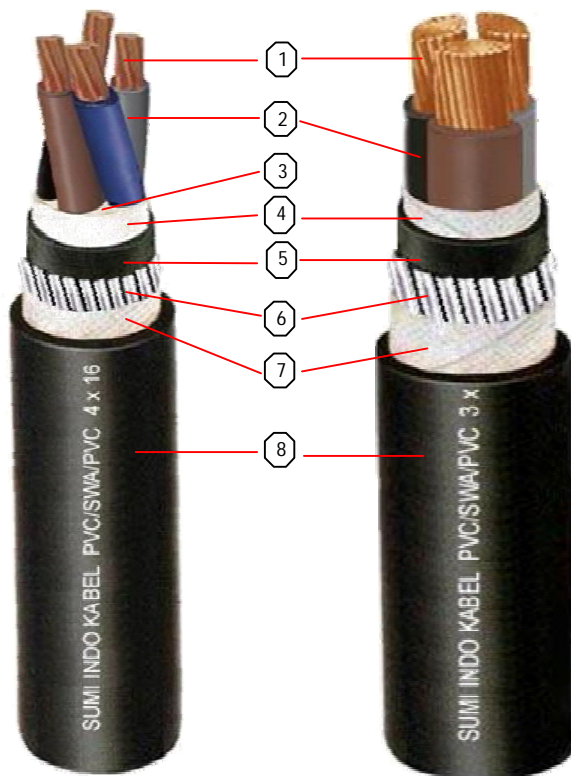


Constructions :

- ① Conductor (Annealed Copper)
- ② Insulation (PVC Compound)
- ③ Inner Covering (PVC Compound)
- ④ Round Aluminium Wire armour
- ⑤ Binding tape (Manufacturer's option)
- ⑥ Outer sheath (PVC Compound)

600/1000 V PVC INSULATED, STEEL WIRE ARMoured AND PVC SHEATHED CABLES

PVC / SWA / PVC (acc. to IEC 60502-1)



Constructions :

- ① Conductor (Annealed Copper)
- ② Insulation (PVC Compound)
- ③ Filler (Polypropylene yarn, or extruded filler up to request)
- ④ Binding tape (Manufacturer's option)
- ⑤ Inner Covering (PVC Compound)
- ⑥ Galvanized Round Steel Wire armour
- ⑦ Binding tape (Manufacturer's option)
- ⑧ Outer sheath (PVC Compound)

Note : Special application upon request

- * Available product in accordance to : SPLN, ICEA/NEMA, AS standard or other requirement.
- * Flame retardant test acc to IEC 60332-3 Cat. A, B or C.
- * Anti termite performance.
- * Tin coated Copper conductor.
- * Polyethylene / Low smoke Halogen Free sheathed

**600/1000 V PVC INSULATED,ALUMINIUM WIRE ARMoured AND PVC SHEATHED CABLES
PVC / AWA / PVC (IEC 60502-1)**

CONSTRUCTION

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

Insulation : PVC Compound type A

Inner covering : PVC Compound ST1

Armour : Aluminium Wire

Sheath : PVC Compound type ST1

Colour Ident. : Insulation - Brown
Sheath - Black

TECHNICAL DATA

Voltage
U_o/U - 600/1000 V

Operating Temperature
Maximum 70°C

SINGLE CORE

Conductor				Nominal Thickness of Insulation	Nominal Thickness of inner covering (approx.)	Nominal diameter of Aluminium wire (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.	number of wire	Diameter of Conductor (approx.)							
mm ²	-	Number	mm	mm	mm	mm	mm	kg/km	Ω/km	
16	RM	7	5.1	1.0	1.0	0.8	1.8	14.5	370	1.15
25	RM	7	6.4	1.2	1.0	0.8	1.8	16.5	495	0.727
35	RM	7	7.6	1.2	1.0	0.8	1.8	17.5	620	0.524
50	RM	19	9.2	1.4	1.0	1.25	1.8	20.5	845	0.387
70	RM	19	10.9	1.4	1.0	1.25	1.8	22.0	1075	0.268
95	RM	19	12.6	1.6	1.0	1.25	1.8	24.5	1380	0.193
120	RM	37	14.2	1.6	1.0	1.6	1.8	27.0	1705	0.153
150	RM	37	15.9	1.8	1.0	1.6	1.8	29.0	2055	0.124
185	RM	37	17.6	2.0	1.0	1.6	1.8	31.0	2450	0.0991
240	RM	61	20.3	2.2	1.0	1.6	1.9	34.0	3110	0.0754
300	RM	61	22.7	2.4	1.0	2.0	2.0	38.0	3865	0.0601
400	RM	61	25.7	2.6	1.2	2.0	2.1	42.0	4885	0.0470
500	RM	61	28.8	2.8	1.2	2.0	2.2	46.0	5965	0.0366
630	RM	91	32.6	2.8	1.2	2.0	2.4	50.0	7335	0.0283
800	RM	127	37.1	2.8	1.4	2.5	2.5	56.0	9410	0.0221
1000	RM	127	41.6	3.0	1.4	2.5	2.7	61.0	11635	0.0176

Note : RM : Circular Stranded Class 2

**600/1000 V PVC INSULATED, STEEL WIRE ARMoured AND PVC SHEATHED CABLES
PVC / SWA / PVC (IEC 60502-1)**

CONSTRUCTION

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

Insulation : PVC Compound type A

Filler : Suitable material

Inner covering : PVC Compound

Armour : Galvanized Steel Wire

Sheath : PVC Compound type ST1

Colour Ident. : Insulation - Brown, Blue
Sheath - Black

TECHNICAL DATA

Voltage
U_o/U - 600/1000 V

Operating Temperature
Maximum 70°C

TWO CORES

Conductor				Nominal Thickness of Insulation	Thickness of Inner covering (approx.)	Nominal Diameter of Galv. Steel wire	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.	number of wire	Diameter of Conductor (approx.)							
mm ²	-	Number	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
1.5	RE	1	1.38	0.8	1.0	0.8	1.8	14.0	335	12.1
1.5	RM	7	1.6	0.8	1.0	0.8	1.8	14.5	350	12.1
2.5	RE	1	1.78	0.8	1.0	0.8	1.8	15.0	380	7.41
2.5	RM	7	2.0	0.8	1.0	0.8	1.8	15.5	395	7.41
4	RE	1	2.26	1.0	1.0	0.8	1.8	16.5	475	4.61
4	RM	7	2.6	1.0	1.0	0.8	1.8	17.5	495	4.61
6	RM	7	3.12	1.0	1.0	1.25	1.8	19.0	670	3.08
10	RM	7	4.1	1.0	1.0	1.25	1.8	21.0	840	1.83
16	RM	7	5.1	1.0	1.0	1.25	1.8	23.0	1020	1.15
25	RM	7	6.4	1.2	1.0	1.6	1.8	27.5	1510	0.727
35	RM	7	7.6	1.2	1.0	1.6	1.8	30.0	1810	0.524
50	RM	19	9.2	1.4	1.0	1.6	1.9	34.0	2320	0.387
70	RM	19	10.9	1.4	1.0	2.0	2.0	38.0	3125	0.268
95	RM	19	12.6	1.6	1.2	2.0	2.2	43.5	3990	0.193
120	RM	37	14.2	1.6	1.2	2.0	2.3	47.0	4695	0.153
150	RM	37	15.9	1.8	1.2	2.5	2.4	52.0	5995	0.124
185	RM	37	17.6	2.0	1.4	2.5	2.6	57.0	7110	0.0991
240	RM	61	20.3	2.2	1.4	2.5	2.8	63.5	8830	0.0754
300	RM	61	22.7	2.4	1.6	2.5	2.9	70.0	10575	0.0601

Note : RE : Round Solid Class 1

RM : Circular Stranded Class 2

600/1000 V PVC INSULATED, STEEL WIRE ARMoured AND PVC SHEATHED CABLES
PVC / SWA / PVC (IEC 60502-1)

CONSTRUCTION

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

Insulation : PVC Compound type A

Filler : Suitable material

Inner covering : PVC Compound

Armour : Galvanized Steel Wire

Sheath : PVC Compound type ST1

Colour Ident. : Insulation - Brown, Black, Grey
 Sheath - Black

TECHNICAL DATA

Voltage
 U₀/U - 600/1000 V

Operating Temperature
 Maximum 70°C

THREE CORES

Conductor				Nominal Thickness of Insulation	Thickness of Inner covering (approx.)	Nominal Diameter of Galv. Steel wire	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.	number of wire	Diameter of Conductor (approx.)							
mm ²		Number	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
1.5	RE	1	1.38	0.8	1.0	0.8	1.8	14.5	375	12.1
1.5	RM	7	1.6	0.8	1.0	0.8	1.8	15.0	385	12.1
2.5	RE	1	1.78	0.8	1.0	0.8	1.8	15.5	430	7.41
2.5	RM	7	2.0	0.8	1.0	0.8	1.8	16.0	450	7.41
4	RE	1	2.26	1.0	1.0	0.8	1.8	18.0	640	4.61
4	RM	7	2.6	1.0	1.0	1.25	1.8	18.5	660	4.61
6	RM	7	3.1	1.0	1.0	1.25	1.8	20.0	770	3.08
10	RM	7	4.1	1.0	1.0	1.25	1.8	22.0	975	1.83
16	RM	7	5.1	1.0	1.0	1.25	1.8	24.0	1230	1.15
25	RM	7	6.4	1.2	1.0	1.6	1.8	29.0	1820	0.727
35	RM	7	7.6	1.2	1.0	1.6	1.8	31.5	2230	0.524
50	SM	19	6.8	1.4	1.0	1.6	2.0	30.5	2560	0.387
70	SM	19	8.2	1.4	1.2	2.0	2.1	34.5	3580	0.268
95	SM	19	9.7	1.6	1.2	2.0	2.2	39.0	4655	0.193
120	SM	37	10.9	1.6	1.2	2.0	2.3	42.0	5410	0.153
150	SM	37	11.9	1.8	1.4	2.5	2.5	46.0	6830	0.124
185	SM	37	13.6	2.0	1.4	2.5	2.7	51.0	8260	0.0991
240	SM	37	15.8	2.2	1.6	2.5	2.9	57.0	10635	0.0754
300	SM	37	17.5	2.4	1.6	2.5	3.1	62.0	12795	0.0601

Note : RE : Round Solid Class 1

RM : Circular Stranded Class 2

SM : Three Segmental Stranded Compacted Class 2

**600/1000 V PVC INSULATED, STEEL WIRE ARMoured AND PVC SHEATHED CABLES
PVC / SWA / PVC (IEC 60502-1)**

CONSTRUCTION				TECHNICAL DATA			
Conductor	: Plain Annealed Copper (to IEC 60228 class 1 or 2)			Voltage	: U _o /U - 600/1000 V		
Insulation	: PVC Compound type A			Operating Temperature	: Maximum 70°C		
Filler	: Suitable material						
Inner covering	: PVC Compound						
Armour	: Galvanized Steel Wire						
Sheath	: PVC Compound type ST1						
Colour Ident.	: Insulation - Brown, Black, Grey, Blue Sheath - Black						

FOUR CORES

Conductor				Nominal Thickness of Insulation	Thickness of Inner covering (approx.)	Nominal Diameter of Galv. Steel wire	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.	number of wire	Diameter of Conductor (approx.)							
mm ²		Number	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
1.5	RE	1	1.38	0.8	1.0	0.8	1.8	15.5	415	12.1
1.5	RM	7	1.6	0.8	1.0	0.8	1.8	16.0	435	12.1
2.5	RE	1	1.78	0.8	1.0	0.8	1.8	16.5	490	7.41
2.5	RM	7	2.0	0.8	1.0	0.8	1.8	17.0	510	7.41
4	RE	1	2.26	1.0	1.0	0.8	1.8	19.5	740	4.61
4	RM	7	2.6	1.0	1.0	1.25	1.8	20.0	765	4.61
6	RM	7	3.1	1.0	1.0	1.25	1.8	21.0	895	3.08
10	RM	7	4.1	1.0	1.0	1.25	1.8	23.5	1145	1.83
16	RM	7	5.1	1.0	1.0	1.6	1.8	27.0	1625	1.15
25	RM	7	6.4	1.2	1.0	1.6	1.8	31.0	2185	0.727
35	RM	7	7.6	1.2	1.0	1.6	1.9	34.0	2700	0.524
50	SM	19	8.1	1.4	1.2	2.0	2.1	35.0	3470	0.387
70	SM	19	9.7	1.4	1.2	2.0	2.2	38.5	4455	0.268
95	SM	19	11.4	1.6	1.2	2.5	2.4	44.5	6225	0.193
120	SM	37	12.9	1.6	1.4	2.5	2.5	48.5	7250	0.153
150	SM	37	14.2	1.8	1.4	2.5	2.7	52.5	8665	0.124
185	SM	37	16.0	2.0	1.6	2.5	2.9	58.0	10505	0.0991
240	SM	37	18.2	2.2	1.6	2.5	3.1	63.5	13415	0.0754
300	SM	37	20.6	2.4	1.6	2.5	3.3	70.0	16300	0.0601

Note : RE : Round Solid Class 1
 RM : Circular Stranded Class 2
 SM : Four Segmental Stranded Compacted Class 2

**600/1000 V PVC INSULATED, STEEL WIRE ARMoured AND PVC SHEATHED CABLES
PVC / SWA / PVC (IEC 60502-1)**

CONSTRUCTION

Conductor	: Plain Annealed Copper (to IEC 60228 class 1 or 2)
Insulation	: PVC Compound type A
Filler	: Suitable material
Inner covering	: PVC Compound
Armour	: Galvanized Steel Wire
Sheath	: PVC Compound type ST1
Colour Ident.	: Insulation - Brown, Black, Grey, Blue, Green / Yellow Stripe Sheath - Black

TECHNICAL DATA

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

FIVE CORES

Conductor				Nominal Thickness of Insulation	Thickness of Inner covering (approx.)	Nominal Diameter of Galv. Steel wire	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.	number of wire	Diameter of Conductor (approx.)							
mm ²		Number	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
1.5	RE	1	1.38	0.8	1.0	0.8	1.8	16.5	465	12.1
1.5	RM	7	1.6	0.8	1.0	0.8	1.8	17.0	490	12.1
2.5	RE	1	1.78	0.8	1.0	0.8	1.8	17.5	555	7.41
2.5	RM	7	2.0	0.8	1.0	0.8	1.8	18.0	575	7.41
4	RE	1	2.26	1.0	1.0	0.8	1.8	20.5	835	4.61
4	RM	7	2.6	1.0	1.0	1.25	1.8	21.5	865	4.61
6	RM	7	3.1	1.0	1.0	1.25	1.8	22.5	1025	3.08
10	RM	7	4.1	1.0	1.0	1.6	1.8	26.5	1480	1.83
16	RM	7	5.1	1.0	1.0	1.60	1.8	29.0	1893	1.15
25	RM	7	6.4	1.2	1.0	1.6	1.9	33.5	2580	0.727
35	RM	7	7.6	1.2	1.0	2.0	2.0	38.0	3470	0.524
50	RM	19	9.2	1.4	1.2	2.0	2.2	44.0	4505	0.387

Note : RE : Round Solid Class 1

RM : Circular Stranded Class 2