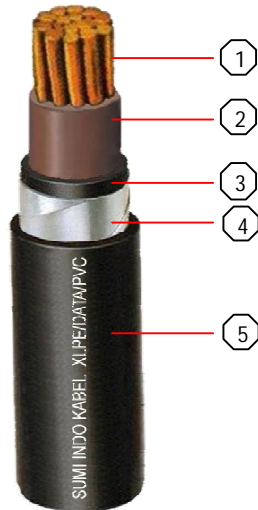


**600/1000 V XLPE INSULATED, ALUMINIUM TAPE ARMoured AND PVC SHEATHED CABLES**

**XLPE/DATA/PVC (acc. to IEC 60502-1)**



Constructions :

- ① Conductor (Annealed Copper)
- ② Insulation (XLPE Compound)
- ③ Inner Covering (PVC Compound)
- ④ Double Aluminium Tape armour
- ⑤ Outer sheath (PVC Compound)

**600/1000 V XLPE INSULATED, STEEL TAPE ARMoured AND PVC SHEATHED CABLES**

**XLPE/DSTA/PVC (acc. to IEC 60502-1)**



Constructions :

- ① Conductor (Annealed Copper)
- ② Insulation (XLPE Compound)
- ③ Filler (Polypropylene yarn, or extruded filler up to request)
- ④ Binding tape (Manufacturer's option)
- ⑤ Inner Covering (PVC Compound)
- ⑥ Double Galvanized Steel Tape armour
- ⑦ 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 XLPE INSULATED, ALUMINIUM TAPE ARMoured AND PVC SHEATHED CABLES  
XLPE/DATA/PVC (IEC 60502-1)**

**CONSTRUCTION**

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

**Insulation** : XLPE Compound

**Inner covering** : PVC Compound

**Armour** : Double Aluminium tape

**Sheath** : PVC Compound type ST2

**Colour Ident.** : Insulation - Brown  
Sheath - Black

**TECHNICAL DATA**

**Voltage**  
U<sub>0</sub>/U - 600/1000 V

**Operating Temperature**  
Maximum 90°C

**SINGLE CORE**

Conductor				Nominal Thickness of Insulation	Thickness of Inner covering (approx.)	Nominal Thickness of Aluminium 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.	Minimum number of wire	Diameter of Conductor (approx.)							
mm <sup>2</sup>	-	Number	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
16	CM	6	4.7	0.7	1.0	0.5	1.8	13.5	335	1.15
25	CM	6	5.9	0.9	1.0	0.5	1.8	15.0	455	0.727
35	CM	6	7.1	0.9	1.0	0.5	1.8	16.5	570	0.524
50	CM	6	8.1	1.0	1.0	0.5	1.8	17.5	705	0.387
70	CM	12	9.7	1.1	1.0	0.5	1.8	19.5	930	0.268
95	CM	15	11.6	1.1	1.0	0.5	1.8	21.5	1210	0.193
120	CM	15	12.9	1.2	1.0	0.5	1.8	23.0	1470	0.153
150	CM	15	14.3	1.4	1.0	0.5	1.8	24.5	1760	0.124
185	CM	30	16.0	1.6	1.0	0.5	1.8	27.0	2155	0.0991
240	CM	30	18.3	1.7	1.0	0.5	1.8	29.5	2735	0.0754
300	CM	30	20.7	1.8	1.0	0.5	1.9	32.0	3365	0.0601
400	CM	53	23.4	2.0	1.2	0.5	2.0	35.5	4240	0.0470
500	CM	53	26.5	2.2	1.2	0.5	2.1	39.5	5350	0.0366
630	CM	53	30.3	2.4	1.2	0.5	2.3	44.0	6670	0.0283

**600/1000 V XLPE INSULATED, STEEL TAPE ARMURED AND PVC SHEATHED CABLES  
XLPE/DSTA/PVC (IEC 60502-1)**

**CONSTRUCTION**

<b>Conductor</b>	: Plain Annealed Copper (to IEC 60228 class 2)
<b>Insulation</b>	: XLPE Compound
<b>Filler</b>	: Suitable material
<b>Inner covering</b>	: PVC Compound
<b>Armour</b>	: Double Galvanized Steel tape
<b>Sheath</b>	: PVC Compound type ST2
<b>Colour Ident.</b>	: Insulation - Brown, Blue Sheath - Black

**TECHNICAL DATA**

<b>Voltage</b>	U <sub>0</sub> /U - 600/1000 V
<b>Operating Temperature</b>	Maximum 90°C

**TWO CORES**

Conductor				Nominal Thickness of Insulation	Thickness of Inner covering (approx.)	Nominal thickness of 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.	Minimum number of wire	Diameter of Conductor (approx.)							
mm <sup>2</sup>	-	Number	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
1.5	RE	1	1.38	0.7	1.0	0.2	1.8	12.5	220	12.1
1.5	RM	7	1.6	0.7	1.0	0.2	1.8	13.0	230	12.1
2.5	RE	1	1.78	0.7	1.0	0.2	1.8	13.0	260	7.41
2.5	RM	7	2.0	0.7	1.0	0.2	1.8	13.5	270	7.41
4	RE	1	2.26	0.7	1.0	0.2	1.8	14.0	315	4.61
4	RM	7	2.6	0.7	1.0	0.2	1.8	15.0	330	4.61
6	RE	1	2.77	0.7	1.0	0.2	1.8	15.0	375	3.08
6	RM	7	3.1	0.7	1.0	0.2	1.8	16.0	390	3.08
10	RM	7	4.1	0.7	1.0	0.2	1.8	18.0	515	1.83
16	CM	6	4.7	0.7	1.0	0.2	1.8	19.0	645	1.15
25	CM	6	5.9	0.9	1.0	0.2	1.8	23.0	895	0.727
35	CM	6	7.1	0.9	1.0	0.2	1.8	24.5	1135	0.524
50	CM	6	8.1	1.0	1.0	0.2	1.8	27.0	1425	0.387
70	CM	12	9.7	1.1	1.0	0.2	1.9	30.5	1905	0.268
95	CM	15	11.6	1.1	1.2	0.2	2.0	35.0	2545	0.193
120	CM	18	12.9	1.2	1.2	0.5	2.1	39.5	3505	0.153
150	CM	18	14.3	1.4	1.4	0.5	2.3	43.5	4245	0.124
185	CM	30	16.0	1.6	1.4	0.5	2.4	48.5	5180	0.0991
240	CM	34	18.3	1.7	1.6	0.5	2.6	54.0	6530	0.0754
300	CM	34	20.7	1.8	1.6	0.5	2.7	59.5	8005	0.0601

Note RE : Round Solid Class 1

RM : Circular Stranded Class 2

CM : Circular Stranded Compacted Class 2

**600/1000 V XLPE INSULATED, STEEL TAPE ARMoured AND PVC SHEATHED CABLES  
XLPE/DSTA/PVC (IEC 60502-1)**

**CONSTRUCTION**

<b>Conductor</b>	: Plain Annealed Copper (to IEC 60228 class 2)
<b>Insulation</b>	: XLPE Compound
<b>Filler</b>	: Suitable material
<b>Inner covering</b>	: PVC Compound
<b>Armour</b>	: Double Galvanized Steel tape
<b>Sheath</b>	: PVC Compound type ST2
<b>Colour Ident.</b>	: Insulation - Brown, Black, Grey Sheath - Black

**TECHNICAL DATA**

<b>Voltage</b>	U <sub>0</sub> /U - 600/1000 V
<b>Operating Temperature</b>	Maximum 90°C

**THREE CORES**

Conductor				Nominal Thickness of Insulation	Thickness of Inner covering (approx.)	Nominal thickness of 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.	Minimum number of wire	Diameter of Conductor (approx.)							
mm <sup>2</sup>	-	Number	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
1.5	RE	1	1.38	0.7	1.0	0.2	1.8	13.0	250	12.1
1.5	RM	7	1.6	0.7	1.0	0.2	1.8	13.5	260	12.1
2.5	RE	1	1.78	0.7	1.0	0.2	1.8	13.5	295	7.41
2.5	RM	7	2.0	0.7	1.0	0.2	1.8	14.0	310	7.41
4	RE	1	2.26	0.7	1.0	0.2	1.8	15.0	265	4.61
4	RM	7	2.6	0.7	1.0	0.2	1.8	15.5	385	4.61
6	RE	1	2.77	0.7	1.0	0.2	1.8	16.0	445	3.08
6	RM	7	3.1	0.7	1.0	0.2	1.8	16.5	465	3.08
10	RM	7	4.1	0.7	1.0	0.2	1.8	18.5	630	1.83
16	CM	6	4.7	0.7	1.0	0.2	1.8	20.0	815	1.15
25	CM	6	5.9	0.9	1.0	0.2	1.8	23.5	1150	0.727
35	CM	6	7.1	0.9	1.0	0.2	1.8	26.0	1485	0.524
50	CM	6	8.1	1.0	1.0	0.2	1.8	28.5	1885	0.387
70	CM	12	9.7	1.1	1.2	0.2	1.9	33.0	2590	0.268
95	CM	15	11.6	1.1	1.2	0.2	2.1	37.5	3460	0.193
120	CM	18	12.9	1.2	1.2	0.5	2.2	42.0	4670	0.153
150	CM	18	14.3	1.4	1.4	0.5	2.4	46.5	5710	0.124
185	CM	30	16.0	1.6	1.4	0.5	2.5	51.5	6965	0.0991
240	CM	34	18.3	1.7	1.6	0.5	2.7	58.0	8905	0.0754
300	CM	34	20.7	1.8	1.6	0.5	2.9	64.0	10920	0.0601

Note RE : Round Solid Class 1

RM : Circular Stranded Class 2

CM : Circular Stranded Compacted Class 2

**600/1000 V XLPE INSULATED, STEEL TAPE ARMoured AND PVC SHEATHED CABLES  
XLPE/DSTA/PVC (IEC 60502-1)**

**CONSTRUCTION**

<b>Conductor</b>	: Plain Annealed Copper (to IEC 60228 class 2)
<b>Insulation</b>	: XLPE Compound
<b>Filler</b>	: Suitable material
<b>Inner covering</b>	: PVC Compound
<b>Armour</b>	: Double Galvanized Steel tape
<b>Sheath</b>	: PVC Compound type ST2
<b>Colour Ident.</b>	: Insulation - Brown, Black, Grey, Blue Sheath - Black

**TECHNICAL DATA**

<b>Voltage</b>	U <sub>0</sub> /U - 600/1000 V
<b>Operating Temperature</b>	Maximum 90°C

**FOUR CORES**

Conductor				Nominal Thickness of Insulation	Thickness of Inner covering (approx.)	Nominal thickness of 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.	Minimum number of wire	Diameter of Conductor (approx.)							
mm <sup>2</sup>	-	Number	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
1.5	RE	1	1.38	0.7	1.0	0.2	1.8	13.5	280	12.1
1.5	RM	7	1.6	0.7	1.0	0.2	1.8	14.0	295	12.1
2.5	RE	1	1.78	0.7	1.0	0.2	1.8	14.5	345	7.41
2.5	RM	7	2.0	0.7	1.0	0.2	1.8	15.0	360	7.41
4	RE	1	2.26	0.7	1.0	0.2	1.8	16.0	430	4.61
4	RM	7	2.6	0.7	1.0	0.2	1.8	16.5	450	4.61
6	RE	1	2.77	0.7	1.0	0.2	1.8	17.0	535	3.08
6	RM	7	3.1	0.7	1.0	0.2	1.8	17.5	555	3.08
10	RM	7	4.1	0.7	1.0	0.2	1.8	20.0	765	1.83
16	CM	6	4.7	0.7	1.0	0.2	1.8	21.5	1000	1.15
25	CM	6	5.9	0.9	1.0	0.2	1.8	25.5	1435	0.727
35	CM	6	7.1	0.9	1.0	0.2	1.8	28.5	1860	0.524
50	CM	6	8.1	1.0	1.0	0.2	1.9	31.5	2385	0.387
70	CM	12	9.7	1.1	1.2	0.2	2.0	36.0	3315	0.268
95	CM	15	11.6	1.1	1.2	0.5	2.2	42.5	4875	0.193
120	CM	18	12.9	1.2	1.4	0.5	2.4	46.5	5985	0.153
150	CM	18	14.3	1.4	1.4	0.5	2.5	51.0	7275	0.124
185	CM	30	16.0	1.6	1.4	0.5	2.7	57.0	8925	0.0991
240	CM	34	18.3	1.7	1.6	0.5	2.9	64.0	11430	0.0754
300	CM	34	20.7	1.8	1.6	0.5	3.1	70.5	14015	0.0601

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

**600/1000 V XLPE INSULATED, STEEL TAPE ARMoured AND PVC SHEATHED CABLES  
XLPE/DSTA/PVC (IEC 60502-1)**

CONSTRUCTION		TECHNICAL DATA
<b>Conductor</b>	: Plain Annealed Copper (to IEC 60228 class 2)	<b>Voltage</b> U <sub>0</sub> /U - 600/1000 V
<b>Insulation</b>	: XLPE Compound	<b>Operating Temperature</b> Maximum 90°C
<b>Filler</b>	: Suitable material	
<b>Inner covering</b>	: PVC Compound	
<b>Armour</b>	: Double Galvanized Steel tape	
<b>Sheath</b>	: PVC Compound type ST2	
<b>Colour Ident.</b>	: Insulation - Brown, Black, Grey, Blue, Green / Yellow Stripe Sheath - Black	

**FIVE CORES**

Conductor				Nominal Thickness of Insulation	Thickness of Inner covering (approx.)	Nominal thickness of 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.	Minimum number of wire	Diameter of Conductor (approx.)							
mm <sup>2</sup>	-	Number	mm	mm	mm	mm	mm	kg/km	Ω/km	
1.5	RE	1	1.38	0.7	1.0	0.2	1.8	14.5	320	12.1
1.5	RM	7	1.6	0.7	1.0	0.2	1.8	15.0	335	12.1
2.5	RE	1	1.78	0.7	1.0	0.2	1.8	15.5	390	7.41
2.5	RM	7	2.0	0.7	1.0	0.2	1.8	16.0	405	7.41
4	RE	1	2.26	0.7	1.0	0.2	1.8	17.0	500	4.61
4	RM	7	2.6	0.7	1.0	0.2	1.8	17.5	520	4.61
6	RE	1	2.77	0.7	1.0	0.2	1.8	18.5	620	3.08
6	RM	7	3.1	0.7	1.0	0.2	1.8	19.0	645	3.08
10	RM	7	4.1	0.7	1.0	0.2	1.8	22.0	900	1.83
16	CM	6	4.7	0.7	1.0	0.2	1.8	23.5	1200	1.15
25	CM	6	5.9	0.9	1.0	0.2	1.8	27.5	1720	0.727
35	CM	6	7.1	0.9	1.0	0.2	1.9	31.0	2255	0.524
50	CM	6	8.1	1.0	1.2	0.2	2.0	35.0	2950	0.387

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