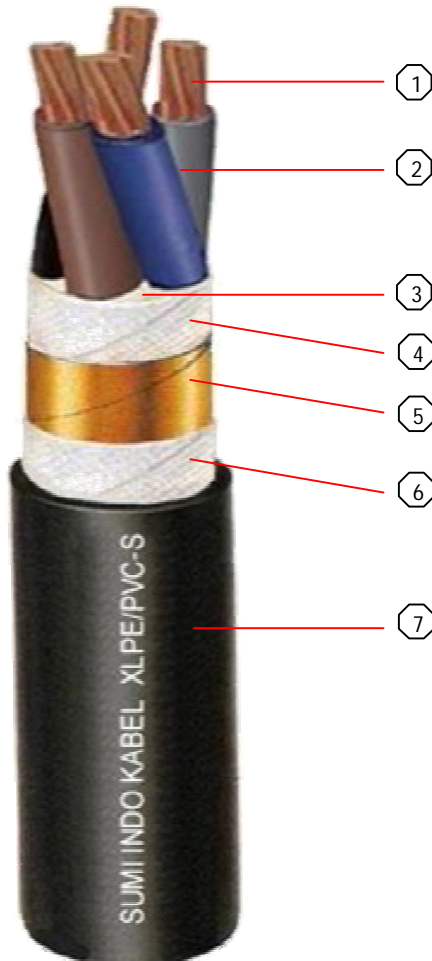


600/1000 V XLPE INSULATED, METALLIC SCREENED AND PVC SHEATHED CABLES
XLPE / PVC-S (IEC 60502-1)



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 Copper Tape screen
- ⑥ Binding tape (Manufacturer's option)
- 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.
- * Copper wire screen.
- * Polyethylene / Low smoke Halogen Free sheathed

**600/1000 V XLPE INSULATED, METALLIC SCREENED AND PVC SHEATHED CABLES
XLPE / PVC-S (IEC 60502-1)**

CONSTRUCTION

Conductor	: Plain Annealed Copper (to IEC 60228 class 1 or 2)
Insulation	: XLPE Compound
Filler	: Suitable material
Metallic screen	: Annealed Copper tape
Sheath	: PVC Compound type ST2
Colour Ident.	: Insulation - Brown, Blue Sheath - Black

TECHNICAL DATA

Voltage	U ₀ /U - 600/1000 V
Operating Temperature	Maximum 90°C

TWO CORES

Conductor				Nominal Thickness of Insulation	Nominal Thickness of Copper tape (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
1.5	RE	1	1.38	0.7	0.1	1.8	10.0	125	12.1
1.5	RM	7	1.6	0.7	0.1	1.8	10.5	135	12.1
2.5	RE	1	1.78	0.7	0.1	1.8	11.0	155	7.41
2.5	RM	7	2.0	0.7	0.1	1.8	11.5	165	7.41
4	RE	1	2.26	0.7	0.1	1.8	12.0	200	4.61
4	RM	7	2.6	0.7	0.1	1.8	12.5	210	4.61
6	RE	1	2.77	0.7	0.1	1.8	13.0	250	3.08
6	RM	7	3.1	0.7	0.1	1.8	13.5	265	3.08
10	RM	7	4.1	0.7	0.1	1.8	15.5	370	1.83
16	CM	7	4.7	0.7	0.1	1.8	16.5	490	1.15
25	CM	7	5.9	0.9	0.1	1.8	20.0	715	0.727
35	CM	7	7.1	0.9	0.1	1.8	22.5	935	0.524
50	CM	19	8.1	1.0	0.1	1.8	24.5	1200	0.387
70	CM	19	9.7	1.1	0.1	1.9	28.5	1650	0.268
95	CM	19	11.6	1.1	0.1	2.0	32.5	2225	0.193
120	CM	37	12.9	1.2	0.1	2.1	35.5	2755	0.153
150	CM	37	14.3	1.4	0.1	2.2	39.5	3395	0.124
185	CM	37	16.0	1.6	0.1	2.3	44.0	4205	0.0991
240	CM	37	18.3	1.7	0.1	2.5	49.5	5425	0.0754
300	CM	61	20.7	1.8	0.1	2.7	55.0	6755	0.0601
400	CM	61	23.4	2.0	0.1	2.9	61.5	8545	0.0470

Note RE : Round Solid Class 1

RM : Circular Stranded Class 2

CM : Circular Stranded Compacted Class 2

**600/1000 V XLPE INSULATED, METALLIC SCREENED AND PVC SHEATHED CABLES
XLPE / PVC-S (IEC 60502-1)**

CONSTRUCTION

Conductor	: Plain Annealed Copper (to IEC 60228 class 1 or 2)
Insulation	: XLPE Compound
Filler	: Suitable material
Metallic screen	: Annealed Copper tape
Sheath	: PVC Compound type ST2
Colour Ident.	: Insulation - Brown, Black, Grey Sheath - Black

TECHNICAL DATA

Voltage	U ₀ /U - 600/1000 V
Operating Temperature	Maximum 90°C

THREE CORES

Conductor				Nominal Thickness of Insulation	Nominal Thickness of Copper tape (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
1.5	RE	1	1.38	0.7	0.1	1.8	10.5	150	12.1
1.5	RM	7	1.6	0.7	0.1	1.8	11.0	155	12.1
2.5	RE	1	1.78	0.7	0.1	1.8	11.5	190	7.41
2.5	RM	7	2.0	0.7	0.1	1.8	12.0	195	7.41
4	RE	1	2.26	0.7	0.1	1.8	12.5	250	4.61
4	RM	7	2.6	0.7	0.1	1.8	13.0	260	4.61
6	RE	1	2.77	0.7	0.1	1.8	13.5	320	3.08
6	RM	7	3.1	0.7	0.1	1.8	14.0	330	3.08
10	RM	7	4.1	0.7	0.1	1.8	16.5	480	1.83
16	CM	7	4.7	0.7	0.1	1.8	17.5	650	1.15
25	CM	7	5.9	0.9	0.1	1.8	21.0	960	0.727
35	CM	7	7.1	0.9	0.1	1.8	23.5	1275	0.524
50	CM	19	8.1	1.0	0.1	1.8	26.5	1645	0.387
70	CM	19	9.7	1.1	0.1	1.9	30.0	2285	0.268
95	CM	19	11.6	1.1	0.1	2.0	34.5	3110	0.193
120	CM	37	12.9	1.2	0.1	2.2	38.0	3870	0.153
150	CM	37	14.3	1.4	0.1	2.3	42.0	4775	0.124
185	CM	37	16.0	1.6	0.1	2.4	47.0	5910	0.0991
240	CM	37	18.3	1.7	0.1	2.6	53.0	7675	0.0754
300	CM	61	20.7	1.8	0.1	2.8	59.0	9565	0.0601
400	CM	61	23.4	2.0	0.1	3.1	66.0	12110	0.0470

Note RE : Round Solid Class 1

RM : Circular Stranded Class 2

CM : Circular Stranded Compacted Class 2

**600/1000 V XLPE INSULATED, METALLIC SCREENED AND PVC SHEATHED CABLES
XLPE / PVC-S (IEC 60502-1)**

CONSTRUCTION

Conductor	: Plain Annealed Copper (to IEC 60228 class 1 or 2)
Insulation	: XLPE Compound
Filler	: Suitable material
Metallic screen	: Annealed Copper tape
Sheath	: PVC Compound type ST2
Colour Ident.	: Insulation - Brown, Black, Grey, Blue Sheath - Black

TECHNICAL DATA

Voltage	U ₀ /U - 600/1000 V
Operating Temperature	Maximum 90°C

FOUR CORES

Conductor				Nominal Thickness of Insulation	Nominal Thickness of Copper tape (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
1.5	RE	1	1.38	0.7	0.1	1.8	11.5	175	12.1
1.5	RM	7	1.6	0.7	0.1	1.8	12.0	185	12.1
2.5	RE	1	1.78	0.7	0.1	1.8	12.5	230	7.41
2.5	RM	7	2.0	0.7	0.1	1.8	13.0	240	7.41
4	RE	1	2.26	0.7	0.1	1.8	13.5	300	4.61
4	RM	7	2.6	0.7	0.1	1.8	14.0	320	4.61
6	RE	1	2.77	0.7	0.1	1.8	14.5	395	3.08
6	RM	7	3.1	0.7	0.1	1.8	15.5	410	3.08
10	RM	7	4.1	0.7	0.1	1.8	18.0	600	1.83
16	CM	7	4.7	0.7	0.1	1.8	19.5	825	1.15
25	CM	7	5.9	0.9	0.1	1.8	23.0	1230	0.727
35	CM	7	7.1	0.9	0.1	1.8	26.0	1635	0.524
50	CM	19	8.1	1.0	0.1	1.9	29.0	2120	0.387
70	CM	19	9.7	1.1	0.1	2.0	33.5	2980	0.268
95	CM	19	11.6	1.1	0.1	2.2	38.5	4075	0.193
120	CM	37	12.9	1.2	0.1	2.3	42.5	5055	0.153
150	CM	37	14.3	1.4	0.1	2.5	47.0	6245	0.124
185	CM	37	16.0	1.6	0.1	2.6	52.5	7755	0.0991
240	CM	37	18.3	1.7	0.1	2.8	59.0	10070	0.0754
300	CM	61	20.7	1.8	0.1	3.0	65.5	12550	0.0601
400	CM	61	23.4	2.0	0.1	3.3	73.5	15900	0.0470

Note RE : Round Solid Class 1

RM : Circular Stranded Class 2

CM : Circular Stranded Compacted Class 2

**600/1000 V XLPE INSULATED, METALLIC SCREENED AND PVC SHEATHED CABLES
XLPE / PVC-S (IEC 60502-1)**

CONSTRUCTION

Conductor	: Plain Annealed Copper (to IEC 60228 class 1 or 2)
Insulation	: XLPE Compound
Filler	: Suitable material
Metallic screen	: Annealed Copper tape
Sheath	: PVC Compound type ST2
Colour Ident.	: Insulation - Black with numbering code Sheath - Black

TECHNICAL DATA

Voltage	U ₀ /U - 600/1000 V
Operating Temperature	Maximum 90°C

FIVE CORES

Conductor				Nominal Thickness of Insulation	Nominal Thickness of Copper tape (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
1.5	RE	1	1.38	0.7	0.1	1.8	12.0	205	12.1
1.5	RM	7	1.6	0.7	0.1	1.8	12.5	215	12.1
2.5	RE	1	1.78	0.7	0.1	1.8	13.5	265	7.41
2.5	RM	7	2.0	0.7	0.1	1.8	14.0	280	7.41
4	RE	1	2.26	0.7	0.1	1.8	14.5	360	4.61
4	RM	7	2.6	0.7	0.1	1.8	15.5	380	4.61
6	RE	1	2.77	0.7	0.1	1.8	16.0	475	3.08
6	RM	7	3.1	0.7	0.1	1.8	17.0	490	3.08
10	RM	7	4.1	0.7	0.1	1.8	19.5	720	1.83
16	CM	7	4.7	0.7	0.1	1.8	21.0	1005	1.15
25	CM	7	5.9	0.9	0.1	1.8	25.5	1495	0.727
35	CM	7	7.1	0.9	0.1	1.9	28.5	2005	0.524
50	CM	19	8.1	1.0	0.1	2.0	32.0	2620	0.387

Note RE : Round Solid Class 1

RM : Circular Stranded Class 2

CM : Circular Stranded Compacted Class 2