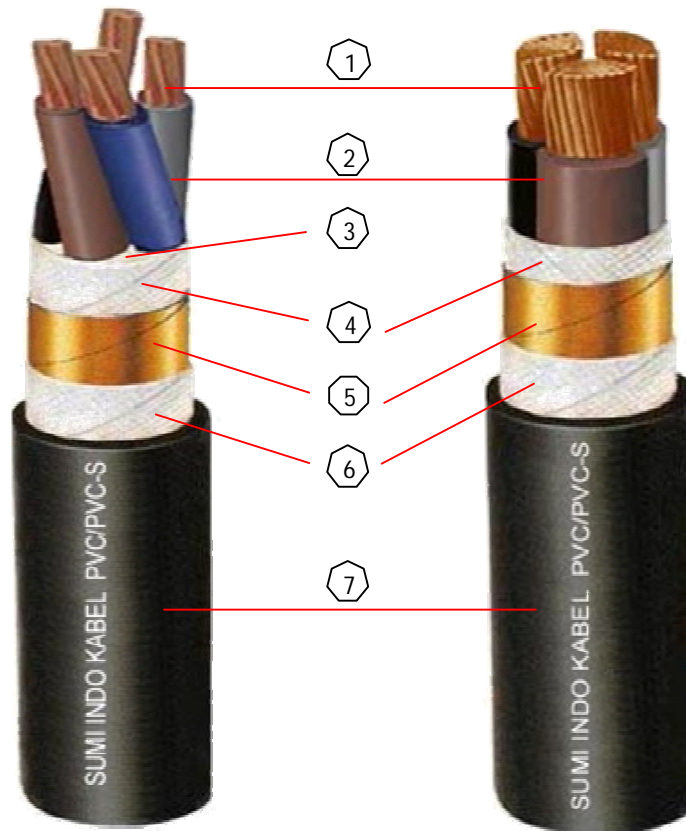


600/1000 V PVC INSULATED, METALLIC SCREENED AND PVC SHEATHED CABLES
PVC/PVC-S (IEC 60502-1)



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

CONSTRUCTION

| | |
|------------------------|--|
| Conductor | : Plain Annealed Copper (to IEC 60228 class 1 or 2) |
| Insulation | : PVC Compound type A |
| Filler | : Suitable material |
| Metallic screen | : Annealed Copper tape |
| Sheath | : PVC Compound type ST1 |
| Colour Ident. | : Insulation - Brown, Blue Sheath - Black |

TECHNICAL DATA

| | |
|------------------------------|--------------------------------|
| Voltage | U ₀ /U - 600/1000 V |
| Operating Temperature | Maximum 70°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.) kg/km | Maximum Conductor Resistance at 20°C Ω/km |
|--|---------------------------|-----------------------------|--|--|--|--------------------------------------|---|---|---|
| Nominal Cross- section area mm ² | Shape of cond. - | number of wire Number | Diameter of Conductor (approx.) mm | | | | | | |
| 1.5 | RE | 1 | 1.38 | 0.8 | 0.1 | 1.8 | 10.5 | 145 | 12.1 |
| 1.5 | RM | 7 | 1.6 | 0.8 | 0.1 | 1.8 | 11.0 | 150 | 12.1 |
| 2.5 | RE | 1 | 1.78 | 0.8 | 0.1 | 1.8 | 11.5 | 175 | 7.41 |
| 2.5 | RM | 7 | 2.0 | 0.8 | 0.1 | 1.8 | 11.5 | 180 | 7.41 |
| 4 | RE | 1 | 2.26 | 1.0 | 0.1 | 1.8 | 13.0 | 240 | 4.61 |
| 4 | RM | 7 | 2.6 | 1.0 | 0.1 | 1.8 | 13.5 | 245 | 4.61 |
| 6 | RM | 7 | 3.1 | 1.0 | 0.1 | 1.8 | 14.5 | 305 | 3.08 |
| 10 | RM | 7 | 4.1 | 1.0 | 0.1 | 1.8 | 16.5 | 420 | 1.83 |
| 16 | RM | 7 | 5.1 | 1.0 | 0.1 | 1.8 | 18.5 | 570 | 1.15 |
| 25 | RM | 7 | 6.4 | 1.2 | 0.1 | 1.8 | 22.0 | 825 | 0.727 |
| 35 | RM | 7 | 7.6 | 1.2 | 0.1 | 1.8 | 24.5 | 1065 | 0.524 |
| 50 | RM | 19 | 9.2 | 1.4 | 0.1 | 1.8 | 28.5 | 1450 | 0.387 |
| 70 | RM | 19 | 10.9 | 1.4 | 0.1 | 1.9 | 32.0 | 1910 | 0.268 |
| 95 | RM | 19 | 12.6 | 1.6 | 0.1 | 2.0 | 36.5 | 2545 | 0.193 |
| 120 | RM | 37 | 14.2 | 1.6 | 0.1 | 2.1 | 40.0 | 3105 | 0.153 |
| 150 | RM | 37 | 15.9 | 1.8 | 0.1 | 2.2 | 44.5 | 3840 | 0.124 |
| 185 | RM | 37 | 17.6 | 2.0 | 0.1 | 2.4 | 49.0 | 4680 | 0.0991 |
| 240 | RM | 61 | 20.3 | 2.2 | 0.1 | 2.6 | 55.5 | 6100 | 0.0754 |
| 300 | RM | 61 | 22.7 | 2.4 | 0.1 | 2.7 | 61.5 | 7525 | 0.0601 |

Note RE : Round Solid Class 1

RM : Circular Stranded Class 2

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

CONSTRUCTION

| | |
|------------------------|--|
| Conductor | : Plain Annealed Copper (to IEC 60228 class 1 or 2) |
| Insulation | : PVC Compound type A |
| Filler | : Suitable material |
| Metallic screen | : Annealed Copper tape |
| Sheath | : PVC Compound type ST1 |
| Colour Ident. | : Insulation - Brown, Black, Grey Sheath - Black |

TECHNICAL DATA

| | |
|------------------------------|--------------------------------|
| Voltage | U ₀ /U - 600/1000 V |
| Operating Temperature | Maximum 70°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 | 0.8 | 0.1 | 1.8 | 11.0 | 170 | 12.1 |
| 1.5 | RM | 7 | 1.6 | 0.8 | 0.1 | 1.8 | 11.5 | 175 | 12.1 |
| 2.5 | RE | 1 | 1.78 | 0.8 | 0.1 | 1.8 | 12.0 | 215 | 7.41 |
| 2.5 | RM | 7 | 2.0 | 0.8 | 0.1 | 1.8 | 12.5 | 220 | 7.41 |
| 4 | RE | 1 | 2.26 | 1.0 | 0.1 | 1.8 | 14.0 | 300 | 4.61 |
| 4 | RM | 7 | 2.6 | 1.0 | 0.1 | 1.8 | 14.5 | 305 | 4.61 |
| 6 | RM | 7 | 3.1 | 1.0 | 0.1 | 1.8 | 15.0 | 385 | 3.08 |
| 10 | RM | 7 | 4.1 | 1.0 | 0.1 | 1.8 | 17.5 | 545 | 1.83 |
| 16 | RM | 7 | 5.1 | 1.0 | 0.1 | 1.8 | 20.0 | 755 | 1.15 |
| 25 | RM | 7 | 6.4 | 1.2 | 0.1 | 1.8 | 23.5 | 1110 | 0.727 |
| 35 | RM | 7 | 7.6 | 1.2 | 0.1 | 1.8 | 26.0 | 1445 | 0.524 |
| 50 | SM | 19 | 6.8 | 1.4 | 0.1 | 1.9 | 25.0 | 1775 | 0.387 |
| 70 | SM | 19 | 8.2 | 1.4 | 0.1 | 2.0 | 28.0 | 2440 | 0.268 |
| 95 | SM | 19 | 9.7 | 1.6 | 0.1 | 2.1 | 32.5 | 3350 | 0.193 |
| 120 | SM | 37 | 10.9 | 1.6 | 0.1 | 2.2 | 35.0 | 3995 | 0.153 |
| 150 | SM | 37 | 11.9 | 1.8 | 0.1 | 2.4 | 38.5 | 4885 | 0.124 |
| 185 | SM | 37 | 13.6 | 2.0 | 0.1 | 2.5 | 43.0 | 6080 | 0.0991 |
| 240 | SM | 37 | 15.8 | 2.2 | 0.1 | 2.7 | 48.5 | 8095 | 0.0754 |
| 300 | SM | 37 | 17.5 | 2.4 | 0.1 | 2.9 | 53.5 | 10060 | 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, METALLIC SCREENED AND PVC SHEATHED CABLES
PVC/PVC-S (IEC 60502-1)**

CONSTRUCTION

| | |
|------------------------|---|
| Conductor | : Plain Annealed Copper (to IEC 60228 class 1 or 2) |
| Insulation | : PVC Compound type A |
| Filler | : Suitable material |
| Metallic screen | : Annealed Copper tape |
| Sheath | : PVC Compound type ST1 |
| Colour Ident. | : Insulation - Brown, Black, Grey, Blue Sheath - Black |

TECHNICAL DATA

| | |
|------------------------------|--------------------------------|
| Voltage | U ₀ /U - 600/1000 V |
| Operating Temperature | Maximum 70°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. | Minimum 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 | 0.8 | 0.1 | 1.8 | 12.0 | 205 | 12.1 |
| 1.5 | RM | 7 | 1.6 | 0.8 | 0.1 | 1.8 | 12.5 | 210 | 12.1 |
| 2.5 | RE | 1 | 1.78 | 0.8 | 0.1 | 1.8 | 13.0 | 260 | 7.41 |
| 2.5 | RM | 7 | 2.0 | 0.8 | 0.1 | 1.8 | 13.5 | 265 | 7.41 |
| 4 | RE | 1 | 2.26 | 1.0 | 0.1 | 1.8 | 15.0 | 370 | 4.61 |
| 4 | RM | 7 | 2.6 | 1.0 | 0.1 | 1.8 | 15.5 | 380 | 4.61 |
| 6 | RM | 7 | 3.1 | 1.0 | 0.1 | 1.8 | 17.0 | 485 | 3.08 |
| 10 | RM | 7 | 4.1 | 1.0 | 0.1 | 1.8 | 19.5 | 685 | 1.83 |
| 16 | RM | 7 | 5.1 | 1.0 | 0.1 | 1.8 | 21.5 | 960 | 1.15 |
| 25 | RM | 7 | 6.4 | 1.2 | 0.1 | 1.8 | 26.0 | 1415 | 0.727 |
| 35 | RM | 7 | 7.6 | 1.2 | 0.1 | 1.8 | 28.5 | 1860 | 0.524 |
| 50 | SM | 19 | 8.1 | 1.4 | 0.1 | 2.0 | 28.5 | 2305 | 0.387 |
| 70 | SM | 19 | 9.7 | 1.4 | 0.1 | 2.1 | 32.0 | 3180 | 0.268 |
| 95 | SM | 19 | 11.4 | 1.6 | 0.1 | 2.2 | 37.0 | 4360 | 0.193 |
| 120 | SM | 37 | 12.9 | 1.6 | 0.1 | 2.4 | 40.5 | 5220 | 0.153 |
| 150 | SM | 37 | 14.2 | 1.8 | 0.1 | 2.5 | 44.5 | 6395 | 0.124 |
| 185 | SM | 37 | 16.0 | 2.0 | 0.1 | 2.7 | 49.5 | 7965 | 0.0991 |
| 240 | SM | 37 | 18.2 | 2.2 | 0.1 | 2.9 | 55.5 | 10595 | 0.0754 |
| 300 | SM | 37 | 20.6 | 2.4 | 0.1 | 3.1 | 61.5 | 13180 | 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, METALLIC SCREENED AND PVC SHEATHED CABLES
PVC/PVC-S (IEC 60502-1)**

CONSTRUCTION

| | |
|------------------------|---|
| Conductor | : Plain Annealed Copper (to IEC 60228 class 1 or 2) |
| Insulation | : PVC Compound type A |
| Filler | : Suitable material |
| Metallic screen | : Annealed Copper tape |
| 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 | Nominal Thickness of Copper tape (approx.) | Nominal Thickness of Sheath | Overall diameter of cable (approx.) | Weight of cable (approx.) kg/km | Maximum Conductor Resistance at 20°C Ω/km |
|--|---------------------------|--|--|--|--|--------------------------------------|---|---|---|
| Nominal Cross- section area mm ² | Shape of cond. - | Minimum number of wire Number | Diameter of Conductor (approx.) mm | | | | | | |
| 1.5 | RE | 1 | 1.38 | 0.8 | 0.1 | 1.8 | 12.5 | 240 | 12.1 |
| 1.5 | RM | 7 | 1.6 | 0.8 | 0.1 | 1.8 | 13.5 | 245 | 12.1 |
| 2.5 | RE | 1 | 1.78 | 0.8 | 0.1 | 1.8 | 14.0 | 305 | 7.41 |
| 2.5 | RM | 7 | 2.0 | 0.8 | 0.1 | 1.8 | 14.5 | 315 | 7.41 |
| 4 | RE | 1 | 2.26 | 1.0 | 0.1 | 1.8 | 16.5 | 435 | 4.61 |
| 4 | RM | 7 | 2.6 | 1.0 | 0.1 | 1.8 | 17.0 | 450 | 4.61 |
| 6 | RM | 7 | 3.1 | 1.0 | 0.1 | 1.8 | 18.5 | 580 | 3.08 |
| 10 | RM | 7 | 4.1 | 1.0 | 0.1 | 1.8 | 21.0 | 830 | 1.83 |
| 16 | RM | 7 | 5.1 | 1.0 | 0.1 | 1.8 | 24.0 | 1170 | 1.15 |
| 25 | RM | 7 | 6.4 | 1.2 | 0.1 | 1.8 | 28.5 | 1730 | 0.727 |
| 35 | RM | 7 | 7.6 | 1.2 | 0.1 | 1.9 | 31.5 | 2290 | 0.524 |
| 50 | RM | 19 | 9.2 | 1.4 | 0.1 | 2.1 | 37.5 | 3060 | 0.387 |

Note RE : Round Solid Class 1

RM : Circular Stranded Class 2