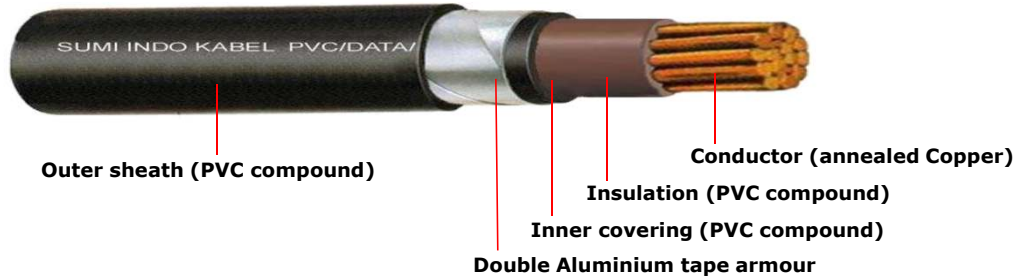


# SUMI INDO KABEL

**600/1000 V PVC INSULATED, ALUMINIUM TAPE ARMoured AND PVC SHEATHED  
Cu/PVC/DATA/PVC ( NYB(AI)Y )  
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.
- \* Maximum operating temperature 90°C.

## CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 class 2)  
Insulation : PVC Compound  
Inner covering : PVC Compound  
Armour : Double Aluminium Tape  
Sheath : PVC Compound  
Colour : Insulation : Brown  
Sheath : Black

## TECHNICAL DATA

Voltage :  $U_0/U$  - 600/1000 V  
Operating Temperature : Maximum 70°C

## SINGLE CORE

| Conductor                  |                |             |                                 | Nominal Thickness of Insulation | Thickness of Inner Covering (approx.) | Nominal Thickness of Aluminium 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. | No. of wire | Diameter of Conductor (approx.) |                                 |                                       |                                               |                             |                                     |                           |                                      |
| mm <sup>2</sup>            |                | No.         | mm                              | mm                              | mm                                    | mm                                            | mm                          | mm                                  | kg/km                     | Ω/km                                 |
| 50                         | RM             | 19          | 9.1                             | 1.4                             | 1.0                                   | 0.5                                           | 1.8                         | 19.5                                | 820                       | 0.387                                |
| 70                         | RM             | 19          | 10.6                            | 1.4                             | 1.0                                   | 0.5                                           | 1.8                         | 21.0                                | 1045                      | 0.268                                |
| 95                         | RM             | 19          | 12.6                            | 1.6                             | 1.0                                   | 0.5                                           | 1.8                         | 23.5                                | 1345                      | 0.193                                |
| 120                        | RM             | 37          | 14.2                            | 1.6                             | 1.0                                   | 0.5                                           | 1.8                         | 25.0                                | 1610                      | 0.153                                |
| 150                        | RM             | 37          | 15.8                            | 1.8                             | 1.0                                   | 0.5                                           | 1.8                         | 27.0                                | 1950                      | 0.124                                |
| 185                        | RM             | 37          | 17.6                            | 2.0                             | 1.0                                   | 0.5                                           | 1.8                         | 29.0                                | 2355                      | 0.0991                               |
| 240                        | RM             | 61          | 20.1                            | 2.2                             | 1.0                                   | 0.5                                           | 1.9                         | 32.0                                | 2990                      | 0.0754                               |
| 300                        | RM             | 61          | 22.5                            | 2.4                             | 1.0                                   | 0.5                                           | 1.9                         | 35.0                                | 3645                      | 0.0601                               |
| 400                        | RM             | 61          | 25.2                            | 2.6                             | 1.2                                   | 0.5                                           | 2.1                         | 39.0                                | 4650                      | 0.0470                               |
| 500                        | RM             | 61          | 28.8                            | 2.8                             | 1.2                                   | 0.5                                           | 2.2                         | 43.0                                | 5730                      | 0.0366                               |

Note RM : Circular Stranded Class 2