

# SUMI INDO KABEL

## 450/750 V PVC INSULATED WIRE (Cu/PVC Flexible) SNI 04-6629.3 : 2006 / IEC 60227-3



### Special application upon request:

- \* Available product in accordance to SPLN or other requirement.
- \* Tin coated Copper conductor.
- \* Maximum operating temperature 90°C.

### CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 class 5)  
Insulation : PVC Compound  
Colour : Red, White, Black, Green, Grey, Brown, Blue, Yellow, Green-yellow

### TECHNICAL DATA

Voltage : U<sub>0</sub>/U - 450/750 V  
Operating Temperature : Maximum 70°C

| Conductor                  |                          |                                 | Nominal Thickness of Insulation | Nominal Overall Diameter (Approx.) | Weight of wire (Approx.) | Maximum Conductor Resistance at 20°C | Minimum Insulation Resistance at 70°C | AC Test Voltage |
|----------------------------|--------------------------|---------------------------------|---------------------------------|------------------------------------|--------------------------|--------------------------------------|---------------------------------------|-----------------|
| Nominal cross section area | Maximum Diameter of wire | Diameter of Conductor (approx.) |                                 |                                    |                          |                                      |                                       |                 |
| mm <sup>2</sup>            | mm                       | mm                              | mm                              | mm                                 | kg/km                    | Ω/km                                 | MΩ.km                                 | V/5 min         |
| 1.5                        | 0.26                     | 1.6                             | 0.7                             | 3.2                                | 25                       | 13.30                                | 0.010                                 | 2500            |
| 2.5                        | 0.26                     | 2.0                             | 0.8                             | 3.8                                | 35                       | 7.98                                 | 0.009                                 | 2500            |
| 4                          | 0.31                     | 2.6                             | 0.8                             | 4.4                                | 50                       | 4.95                                 | 0.007                                 | 2500            |
| 6                          | 0.31                     | 3.5                             | 0.8                             | 5.3                                | 75                       | 3.30                                 | 0.006                                 | 2500            |
| 10                         | 0.41                     | 4.6                             | 1.0                             | 6.8                                | 130                      | 1.91                                 | 0.0056                                | 2500            |
| 16                         | 0.41                     | 5.7                             | 1.0                             | 7.9                                | 190                      | 1.21                                 | 0.0046                                | 2500            |
| 25                         | 0.41                     | 7.1                             | 1.2                             | 9.7                                | 290                      | 0.780                                | 0.0044                                | 2500            |
| 35                         | 0.41                     | 8.4                             | 1.2                             | 11.0                               | 395                      | 0.554                                | 0.0038                                | 2500            |
| 50                         | 0.41                     | 10.1                            | 1.4                             | 13.5                               | 550                      | 0.386                                | 0.0037                                | 2500            |
| 70                         | 0.51                     | 12.0                            | 1.4                             | 15.0                               | 760                      | 0.272                                | 0.0032                                | 2500            |
| 95                         | 0.51                     | 13.7                            | 1.6                             | 17.5                               | 1010                     | 0.206                                | 0.0032                                | 2500            |
| 120                        | 0.51                     | 15.5                            | 1.6                             | 19.5                               | 1270                     | 0.161                                | 0.0029                                | 2500            |
| 150                        | 0.51                     | 17.6                            | 1.8                             | 22.0                               | 1605                     | 0.129                                | 0.0029                                | 2500            |
| 185                        | 0.51                     | 19.2                            | 2.0                             | 24.0                               | 1915                     | 0.106                                | 0.0029                                | 2500            |
| 240                        | 0.51                     | 22.0                            | 2.2                             | 27.0                               | 2495                     | 0.0801                               | 0.0028                                | 2500            |