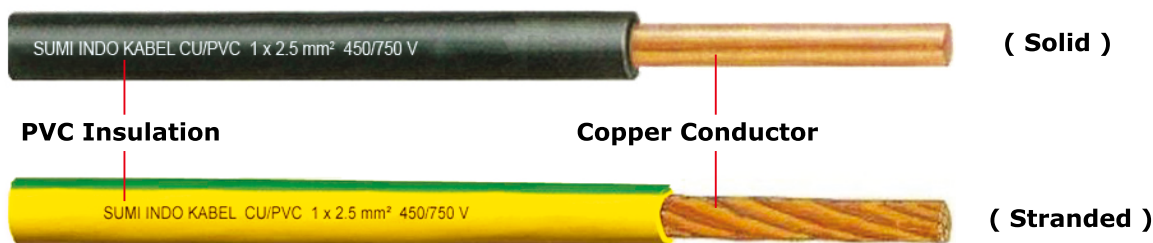




450/750 V PVC INSULATED WIRE (Cu/PVC) - NYA
SNI 04-6629.3 : 2006 / IEC 60227-3



Special application upon request:

- * Available product in accordance to SPLN or other requirement.
- * Tin coated Copper conductor.
- * Flame retardant test acc to IEC 60332-3 Cat. A, B or C.
- * Maximum operating temperature 90°C.

CONSTRUCTION

Conductor : Plain Annealed Copper (to IEC 60228 class 1 or 2)
Insulation : PVC Compound
Colour : Red, White, Black, Green, Grey, Brown, Blue, Yellow, Green-yellow

TECHNICAL DATA

Voltage : U₀/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 | Shape of Conductor | No. of Wire | Diameter of Conductor (approx.) | | | | | | |
| mm ² | | No. | mm | mm | mm | kg/km | Ω/km | MΩ.km | V/5 min |
| 1,5 | RE | 1 | 1,38 | 0,7 | 3,0 | 25 | 12,1 | 0,011 | 2500 |
| 1,5 | RM | 7 | 1,6 | 0,7 | 3,2 | 25 | 12,1 | 0,010 | 2500 |
| 2,5 | RE | 1 | 1,78 | 0,8 | 3,6 | 35 | 7,41 | 0,010 | 2500 |
| 2,5 | RM | 7 | 2,0 | 0,8 | 3,8 | 35 | 7,41 | 0,009 | 2500 |
| 4 | RE | 1 | 2,18 | 0,8 | 4,1 | 50 | 4,61 | 0,0085 | 2500 |
| 4 | RM | 7 | 2,5 | 0,8 | 4,4 | 55 | 4,61 | 0,0077 | 2500 |
| 6 | RE | 1 | 2,67 | 0,8 | 4,6 | 70 | 3,08 | 0,0070 | 2500 |
| 6 | RM | 7 | 3,1 | 0,8 | 4,9 | 75 | 3,08 | 0,0065 | 2500 |
| 10 | RE | 1 | 3,48 | 1,0 | 5,8 | 115 | 1,83 | 0,0070 | 2500 |
| 10 | RM | 7 | 4,1 | 1,0 | 6,3 | 120 | 1,83 | 0,0065 | 2500 |
| 16 | RM | 7 | 5,0 | 1,0 | 7,3 | 180 | 1,15 | 0,0050 | 2500 |
| 25 | RM | 7 | 6,3 | 1,2 | 9,0 | 280 | 0,727 | 0,0050 | 2500 |
| 35 | RM | 7 | 7,4 | 1,2 | 10,5 | 380 | 0,524 | 0,0040 | 2500 |
| 50 | RM | 19 | 9,0 | 1,4 | 12,5 | 530 | 0,387 | 0,0045 | 2500 |
| 70 | RM | 19 | 10,6 | 1,4 | 14,0 | 730 | 0,268 | 0,0035 | 2500 |
| 95 | RM | 19 | 12,5 | 1,6 | 16,5 | 985 | 0,193 | 0,0035 | 2500 |
| 120 | RM | 37 | 14,2 | 1,6 | 18,0 | 1220 | 0,153 | 0,0032 | 2500 |
| 150 | RM | 37 | 15,8 | 1,8 | 20,0 | 1525 | 0,124 | 0,0032 | 2500 |
| 185 | RM | 37 | 17,4 | 2,0 | 22,0 | 1875 | 0,0991 | 0,0032 | 2500 |
| 240 | RM | 61 | 20,1 | 2,2 | 25,5 | 2465 | 0,0754 | 0,0032 | 2500 |
| 300 | RM | 61 | 22,5 | 2,4 | 28,0 | 3055 | 0,0601 | 0,0030 | 2500 |
| 400 | RM | 61 | 25,2 | 2,6 | 31,5 | 3930 | 0,0470 | 0,0028 | 2500 |

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