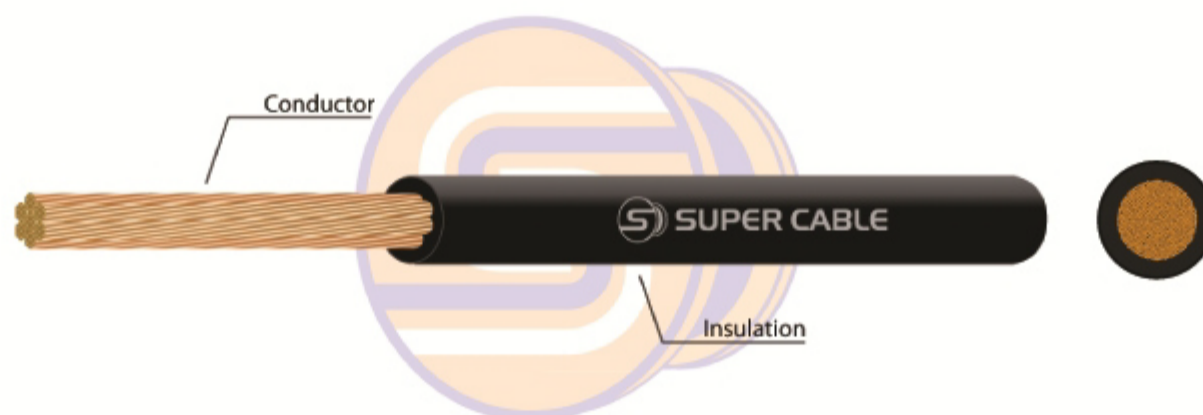


# 60227 IEC 02 ( VSF )

450/750 V. 70°C FLEXIBLE CONDUCTOR

PVC INSULATED, SINGLE CORE



## APPLICATION

- Use for general purpose
- For installation in raceway and shall be protected water into raceway
- Do not install in duct in ground or direct burial in ground

TESTING VOLTAGE : 2,500 Volts

REFERENCE STANDARD :

TIS 11-2553 PART 3, TABLE 3

## CABLE STRUCTURE

CONDUCTOR : Flexible Annealed Copper

CLASS 5 Size 1.5 - 240 mm<sup>2</sup>

INSULATION : Polyvinyl chloride type PVC/C

CORE IDENTIFICATION : Single core, color as request

## CLASSIFICATION

Maximum Conductor Temperature : 70°C

Circuit Voltage does not exceed

450/750 Volts (U<sub>0</sub>/U)

450 Volts between Line to Earth (U<sub>0</sub>)

750 Volts between Line to Line (U)

## Technical Data



TIS 11-2553 PART 3, TABLE 3

| Nominal cross sectional area | Conductor type | Number of wires | Diameter of wires | Diameter (approx.) | Nominal insulation thickness | Overall diameter (approx.) |         | Maximum conductor resistance at 20°C | Minimum insulation resistance at 70°C | Current rating in free air | Cable weight (approx.) | Standard packing |
|------------------------------|----------------|-----------------|-------------------|--------------------|------------------------------|----------------------------|---------|--------------------------------------|---------------------------------------|----------------------------|------------------------|------------------|
|                              |                |                 |                   |                    |                              | minimum                    | maximum |                                      |                                       |                            |                        |                  |
| mm <sup>2</sup>              | Class          | No.             | mm                | mm                 | mm                           | mm                         | mm      | Ω/km                                 | MΩ-km                                 | A                          | kg/km                  | m                |
| 1.5                          | 5              | 30              | 0.26              | 1.58               | 0.7                          | 2.8                        | 3.4     | 13.30                                | 0.010                                 | 16                         | 24                     | 100/C            |
| 2.5                          | 5              | 50              | 0.26              | 2.04               | 0.8                          | 3.4                        | 4.1     | 7.98                                 | 0.009                                 | 25                         | 37                     | 100/C            |
| 4                            | 5              | 56              | 0.31              | 2.59               | 0.8                          | 3.9                        | 4.8     | 4.95                                 | 0.007                                 | 30                         | 54                     | 100/C            |
| 6                            | 5              | 84              | 0.31              | 3.59               | 0.8                          | 4.4                        | 5.3     | 3.30                                 | 0.006                                 | 39                         | 75                     | 100/C            |
| 10                           | 5              | 80              | 0.41              | 4.67               | 1.0                          | 5.7                        | 6.8     | 1.91                                 | 0.0056                                | 51                         | 130                    | 100/C            |
| 16                           | 5              | 126             | 0.41              | 5.86               | 1.0                          | 6.7                        | 8.1     | 1.21                                 | 0.0046                                | 73                         | 185                    | 100/C            |
| 25                           | 5              | 196             | 0.41              | 7.31               | 1.2                          | 8.4                        | 10.2    | 0.780                                | 0.0044                                | 97                         | 285                    | 100/C            |
| 35                           | 5              | 276             | 0.41              | 8.67               | 1.2                          | 9.7                        | 11.7    | 0.554                                | 0.0038                                | 140                        | 400                    | 100/C            |
| 50                           | 5              | 396             | 0.41              | 10.51              | 1.4                          | 11.5                       | 13.9    | 0.386                                | 0.0037                                | 175                        | 555                    | 1,000/D          |
| 70                           | 5              | 360             | 0.51              | 12.52              | 1.4                          | 13.2                       | 16.0    | 0.272                                | 0.0032                                | 216                        | 765                    | 1,000/D          |
| 95                           | 5              | 475             | 0.51              | 14.38              | 1.6                          | 15.1                       | 18.2    | 0.206                                | 0.0032                                | 258                        | 1,000                  | 1,000/D          |
| 120                          | 5              | 608             | 0.51              | 16.32              | 1.6                          | 16.7                       | 20.2    | 0.161                                | 0.0029                                | 302                        | 1,300                  | 1,000/D          |
| 150                          | 5              | 756             | 0.51              | 18.20              | 1.8                          | 18.6                       | 22.5    | 0.129                                | 0.0029                                | 347                        | 1,600                  | 1,000/D          |
| 185                          | 5              | 925             | 0.51              | 20.13              | 2.0                          | 20.6                       | 24.9    | 0.106                                | 0.0029                                | 394                        | 1,900                  | 1,000/D          |
| 240                          | 5              | 1,221           | 0.51              | 23.16              | 2.2                          | 23.5                       | 28.4    | 0.0801                               | 0.0028                                | 471                        | 2,500                  | 1,000/D          |

Conductor Class 1 : Solid  
2 : Stranded

C : Packing in coil

D : Packing in drum

Core Color : Blue, Brown, Black, Grey, White, Red,  
Green, Yellow, Green/Yellow or upon  
customer request

การใช้งาน

- ใช้งานทั่วไป
- เดินในช่องเดินสายและต้องป้องกันน้ำเข้าของเดินสาย
- ห้ามรอยทอฝังดินหรือฝังดินโดยตรง