

# 60227 IEC 06

300/500 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 : 2,000 Volts

REFERENCE STANDARD :

TIS 11 PART 3-2553, TABLE 7

## CABLE STRUCTURE

CONDUCTOR : Flexible Annealed Copper

CLASS 5 Size 0.5, 0.75 & 1 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

300/500 Volts (U<sub>0</sub>/U)

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

500 Volts between Line to Line (U)

## Technical Data



TIS 11 PART 3-2553, TABLE 7

| Nominal cross sectional area | Conductor type | Maximum diameter of wires | Nominal insulation thickness | Overall diameter |         | 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          | mm                        | mm                           | mm               | mm      | Ω/km                                 | MΩ·km                                 | A                          | kg/km                  | m                |
| 0.5                          | 5              | 0.21                      | 0.6                          | 2.1              | 2.5     | 39.0                                 | 0.013                                 | 3                          | 9                      | 100/C            |
| 0.75                         | 5              | 0.21                      | 0.6                          | 2.2              | 2.7     | 26.0                                 | 0.011                                 | 6                          | 12                     | 100/C            |
| 1                            | 5              | 0.21                      | 0.6                          | 2.4              | 2.8     | 19.5                                 | 0.010                                 | 10                         | 15                     | 100/C            |

Conductor Class 5 : Flexible

C : Packing in coil

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

การใช้งาน

- ใช้งานทั่วไป
- เดินในช่องเดินสายและต้องป้องกันน้ำเข้าสู่ช่องเดินสาย
- ห้ามร้อยท่อฝังดินหรือฝังดินโดยตรง