

60227 IEC 05 (IV)

300/500 V. 70°C SOLID 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 11-2553 PART 3, TABLE 5

CABLE STRUCTURE

CONDUCTOR : Solid Annealed Copper

CLASS 1 Size 0.5, 0.75 & 1 mm²

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 (U₀/U)

300 Volts between Ling to Earth (U₀)

500 Volts between Ling to Earth (U)

Technical Data



TIS 11-2553 PART 3, TABLE 5

Nominal cross sectional area	Conductor type	Number of wire	Diameter of wire	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 ²	Class	No.	mm	mm	mm	mm	mm	Ω/km	MΩ-km	A	kg/km	m
0.5	1	1	0.80	0.80	0.6	1.9	2.3	36.0	0.015	3	8.8	100/C
0.75	1	1	0.97	0.97	0.6	2.1	2.5	24.5	0.012	6	12.0	100/C
1	1	1	1.13	1.13	0.6	2.2	2.7	18.1	0.011	10	14.0	100/C

Conductor Class 1 : Solid
C : Packing in coil

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

การใช้งาน

- ใช้งานทั่วไป
- เดินในช่องเดินสายและต้องป้องกันน้ำเข้าช่องเดินสาย
- ห้ามรอยทอฝังดินหรือฝังดินโดยตรง